

## WEST Search History





DATE: Monday, September 11, 2006

Hide?	<u>Set</u> <u>Name</u>	<u>Query</u>	<u>Hit</u> <u>Count</u>
	<i>DB=PGPB,USPT,EPAB; PLUR=YES; OP=ADJ</i>		
<input type="checkbox"/>	L47	L46 not @py>1999	21
<input type="checkbox"/>	L46	l45 and (metal or radiometal or radionuclide)	40
<input type="checkbox"/>	L45	L44 and l14	48
<input type="checkbox"/>	L44	l41 not @ay>1999	50
<input type="checkbox"/>	L43	L42 and l41	0
<input type="checkbox"/>	L42	(alberto or hafliger).in.	6972
<input type="checkbox"/>	L41	l39 and l7	63
<input type="checkbox"/>	L40	(530/391.1,391.3,391.5,391.7,391.9)![CCLS]	2453
<input type="checkbox"/>	L39	(424/179.1,181.1,182.1)![CCLS]	482
<input type="checkbox"/>	L38	6844425.pn.	1
<input type="checkbox"/>	L37	L36 and l7	13
<input type="checkbox"/>	L36	gamma SAME L35	40
<input type="checkbox"/>	L35	90Y	475
<input type="checkbox"/>	L34	l32 and b174\$	1
<input type="checkbox"/>	L33	l32 and b17	0
<input type="checkbox"/>	L32	(5730968).pn.	1
<input type="checkbox"/>	L31	(4837169 or 4859777).pn.	2
<input type="checkbox"/>	L30	L29 not @ay>1998	7
<input type="checkbox"/>	L29	L28 and radio\$	35
<input type="checkbox"/>	L28	L27 and L14	52
<input type="checkbox"/>	L27	L25 and L24	78
<input type="checkbox"/>	L26	L25 and L4	6911
<input type="checkbox"/>	L25	L3.ab.	41880
<input type="checkbox"/>	L24	L4.clm.	7811
<input type="checkbox"/>	L23	L22 and L14	47
<input type="checkbox"/>	L22	L21 not @py>1999	51
<input type="checkbox"/>	L21	L20 and metal	143
<input type="checkbox"/>	L20	L19 and radio\$	203
<input type="checkbox"/>	L19	L12 and L3	404
<input type="checkbox"/>	L18	L17.ab.	1857

<input type="checkbox"/>	L17	benzimidazole	26369
<input type="checkbox"/>	L16	L15 and radioactive	7
<input type="checkbox"/>	L15	L14 and L13	8
<input type="checkbox"/>	L14	cancer\$ or tumor\$ or neoplas\$	199336
<input type="checkbox"/>	L13	L12 and L11	8
<input type="checkbox"/>	L12	L4.ab.	3344
<input type="checkbox"/>	L11	metal and L10	264
<input type="checkbox"/>	L10	L9 not @py>1999	373
<input type="checkbox"/>	L9	L8 and L1	6564
<input type="checkbox"/>	L8	L7 and L6 and L2	31875
<input type="checkbox"/>	L7	porphyrin or ellipticine or phenantroline or carbazole or benzimidazole or tetracycline	87046
<input type="checkbox"/>	L6	conjugat\$ or link\$ or coupl\$ or join\$	3007357
<input type="checkbox"/>	L5	L4 and L3	30643
<input type="checkbox"/>	L4	porphyrin or ellipticine or phenantroline or carboazole or benzimidazole or tetracycline	71805
<input type="checkbox"/>	L3	somatostatin\$ or neurotensin\$ or bombesin\$ or antibod\$ or penetratine\$	178721
<input type="checkbox"/>	L2	somatostatin or neurotensin or bombesin or antibod\$ or penetratine\$	178700
<input type="checkbox"/>	L1	intercalat\$	27483

END OF SEARCH HISTORY

NEWS 11 JUN 28 Price changes in full-text patent databases EPFULL and PCTFULL  
NEWS 12 JUL 11 CHEMSAFE reloaded and enhanced  
NEWS 13 JUL 14 FSTA enhanced with Japanese patents  
NEWS 14 JUL 19 Coverage of Research Disclosure reinstated in DWPI  
NEWS 15 AUG 09 INSPEC enhanced with 1898-1968 archive  
NEWS 16 AUG 28 ADISCTI Reloaded and Enhanced  
NEWS 17 AUG 30 CA(SM)/CAplus(SM) Austrian patent law changes

NEWS EXPRESS JUNE 30 CURRENT WINDOWS VERSION IS V8.01b, CURRENT  
MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),  
AND CURRENT DISCOVER FILE IS DATED 26 JUNE 2006.

NEWS HOURS STN Operating Hours Plus Help Desk Availability  
NEWS LOGIN Welcome Banner and News Items  
NEWS IPC8 For general information regarding STN implementation of IPC 8  
NEWS X25 X.25 communication option no longer available

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\* \* \* \* \* STN Columbus \* \* \* \* \*

FILE 'HOME' ENTERED AT 08:40:24 ON 11 SEP 2006

=> file caplus		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'CAPLUS' ENTERED AT 08:40:57 ON 11 SEP 2006  
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FILE COVERS 1907 - 11 Sep 2006 VOL 145 ISS 12  
FILE LAST UPDATED: 10 Sep 2006 (20060910/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply.  
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=> s us 20050019254/pn  
L1 1 US 20050019254/PN  
(US2005019254/PN)

=> sel rn

E1 THROUGH E39 ASSIGNED

=> file reg

COST IN U.S. DOLLARS

SINCE FILE

ENTRY

TOTAL

SESSION

FULL ESTIMATED COST

2.49

2.70

FILE 'REGISTRY' ENTERED AT 08:41:19 ON 11 SEP 2006

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STRUCTURE FILE UPDATES: 10 SEP 2006 HIGHEST RN 906318-57-8

DICTIONARY FILE UPDATES: 10 SEP 2006 HIGHEST RN 906318-57-8

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TSCA INFORMATION NOW CURRENT THROUGH June 30, 2006

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experimental property data in the original document. For information  
on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

=> s e1-e39

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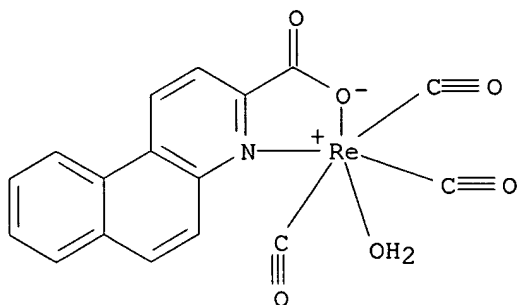
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 98-88-4/BI)

=> d 1-39

L2 ANSWER 1 OF 39 REGISTRY COPYRIGHT 2006 ACS on STN  
 RN 289705-41-5 REGISTRY  
 ED Entered STN: 20 Sep 2000

CN Rhenium, aqua(benzo[f]quinoline-3-carboxylato-  
 $\kappa$ N4, $\kappa$ O3)tricarboxyl-, (OC-6-44)- (9CI) (CA INDEX NAME)  
 MF C17 H10 N O6 Re  
 CI CCS  
 SR CA  
 LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

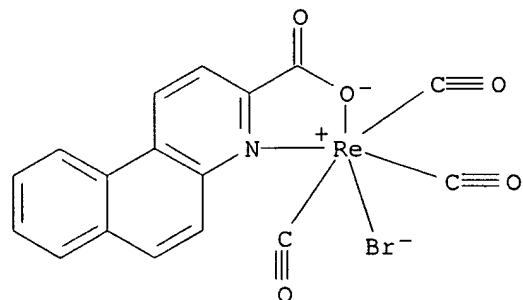


1 REFERENCES IN FILE CA (1907 TO DATE)  
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 2 OF 39 REGISTRY COPYRIGHT 2006 ACS on STN  
 RN 289705-40-4 REGISTRY  
 ED Entered STN: 20 Sep 2000  
 CN Ethanaminium, N,N,N-triethyl-, (OC-6-44)-(benzo[f]quinoline-3-carboxylato-  
 $\kappa$ N4, $\kappa$ O3)bromotricarbonylrhenate(1-) (9CI) (CA INDEX NAME)  
 OTHER CA INDEX NAMES:  
 CN Rhenate(1-), (benzo[f]quinoline-3-carboxylato-  
 $\kappa$ N4, $\kappa$ O3)bromotricarbonyl-, (OC-6-44)-, N,N,N-  
 triethylethanaminium (9CI)  
 MF C17 H8 Br N O5 Re . C8 H20 N  
 SR CA  
 LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

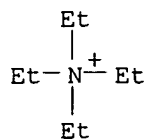
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CRN 289705-39-1  
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 CCI CCS



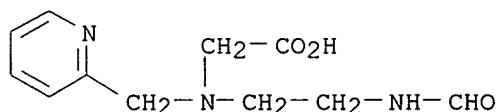
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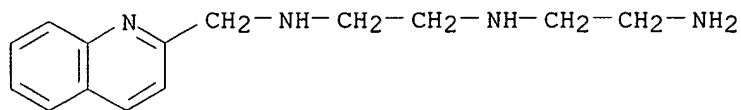
L2 ANSWER 3 OF 39 REGISTRY COPYRIGHT 2006 ACS on STN  
RN 289661-29-6 REGISTRY  
ED Entered STN: 19 Sep 2000  
CN Glycine, N-[2-(formylamino)ethyl]-N-(2-pyridinylmethyl)- (9CI) (CA INDEX NAME)  
FS 3D CONCORD  
MF C11 H15 N3 O3  
SR CA  
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 4 OF 39 REGISTRY COPYRIGHT 2006 ACS on STN  
RN 289661-28-5 REGISTRY  
ED Entered STN: 19 Sep 2000  
CN 1,2-Ethanediamine, N-(2-aminoethyl)-N'-(2-quinolinylmethyl)-, hydrochloride (9CI) (CA INDEX NAME)  
MF C14 H20 N4 . x Cl H  
SR CA  
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL  
CRN (289661-24-1)

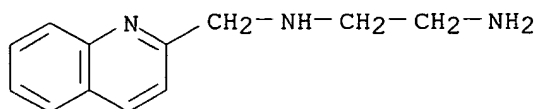


● x HCl

1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 5 OF 39 REGISTRY COPYRIGHT 2006 ACS on STN  
RN 289661-27-4 REGISTRY  
ED Entered STN: 19 Sep 2000  
CN 1,2-Ethanediamine, N-(2-quinolinylmethyl)-, hydrochloride (9CI) (CA INDEX NAME)  
MF C12 H15 N3 . x Cl H  
SR CA

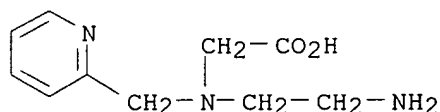
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL  
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●x HCl

1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

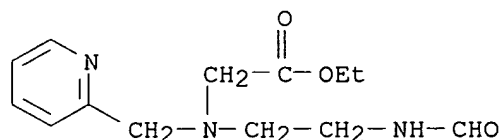
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RN 289661-26-3 REGISTRY  
ED Entered STN: 19 Sep 2000  
CN Glycine, N-(2-aminoethyl)-N-(2-pyridinylmethyl)- (9CI) (CA INDEX NAME)  
FS 3D CONCORD  
MF C10 H15 N3 O2  
SR CA  
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 7 OF 39 REGISTRY COPYRIGHT 2006 ACS on STN  
RN 289661-25-2 REGISTRY  
ED Entered STN: 19 Sep 2000  
CN Glycine, N-[2-(formylamino)ethyl]-N-(2-pyridinylmethyl)-, ethyl ester  
(9CI) (CA INDEX NAME)  
FS 3D CONCORD  
MF C13 H19 N3 O3  
SR CA  
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL



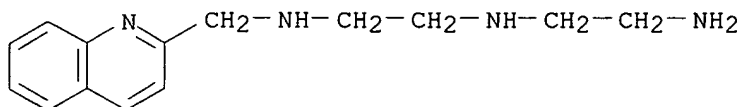
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L2 ANSWER 8 OF 39 REGISTRY COPYRIGHT 2006 ACS on STN



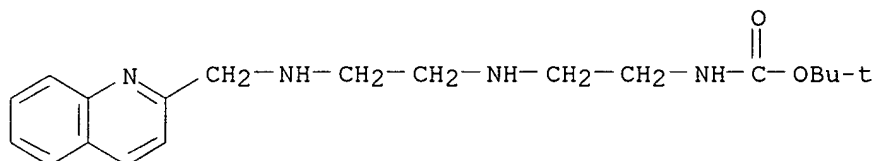
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 MF C14 H20 N4  
 CI COM  
 SR CA  
 LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL



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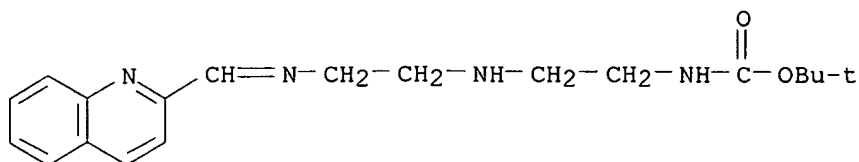
L2 ANSWER 9 OF 39 REGISTRY COPYRIGHT 2006 ACS on STN  
 RN 289661-23-0 REGISTRY  
 ED Entered STN: 19 Sep 2000  
 CN Carbamic acid, [2-[[2-[(2-quinolinylmethyl)amino]ethyl]amino]ethyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)  
 FS 3D CONCORD  
 MF C19 H28 N4 O2  
 SR CA  
 LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL



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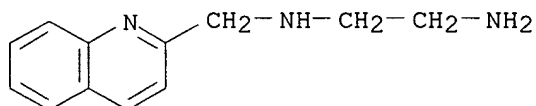
L2 ANSWER 10 OF 39 REGISTRY COPYRIGHT 2006 ACS on STN  
 RN 289661-22-9 REGISTRY  
 ED Entered STN: 19 Sep 2000  
 CN Carbamic acid, [2-[[2-[(2-quinolinylmethylene)amino]ethyl]amino]ethyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)  
 FS 3D CONCORD  
 MF C19 H26 N4 O2  
 SR CA  
 LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL



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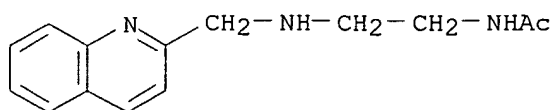
L2 ANSWER 11 OF 39 REGISTRY COPYRIGHT 2006 ACS on STN  
RN 289661-21-8 REGISTRY  
ED Entered STN: 19 Sep 2000  
CN 1,2-Ethanediamine, N-(2-quinolinylmethyl)- (9CI) (CA INDEX NAME)  
FS 3D CONCORD  
MF C12 H15 N3  
CI COM  
SR CA  
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL



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2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 12 OF 39 REGISTRY COPYRIGHT 2006 ACS on STN  
RN 289661-20-7 REGISTRY  
ED Entered STN: 19 Sep 2000  
CN Acetamide, N-[2-[(2-quinolinylmethyl)amino]ethyl]- (9CI) (CA INDEX NAME)  
FS 3D CONCORD  
MF C14 H17 N3 O  
SR CA  
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

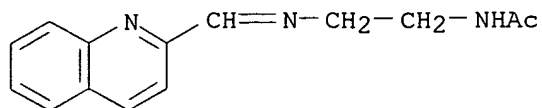


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1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 13 OF 39 REGISTRY COPYRIGHT 2006 ACS on STN  
RN 289661-19-4 REGISTRY  
ED Entered STN: 19 Sep 2000  
CN Acetamide, N-[2-[(2-quinolinylmethylene)amino]ethyl]- (9CI) (CA INDEX

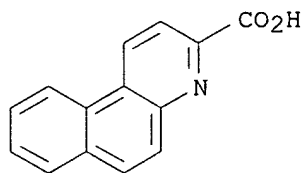
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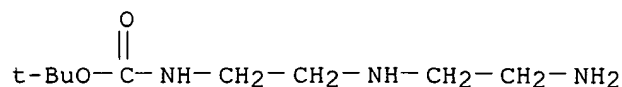
L2 ANSWER 14 OF 39 REGISTRY COPYRIGHT 2006 ACS on STN  
 RN 289661-18-3 REGISTRY  
 ED Entered STN: 19 Sep 2000  
 CN Benzo[f]quinoline-3-carboxylic acid, hydrobromide (9CI) (CA INDEX NAME)  
 MF C14 H9 N O2 . Br H  
 SR CA  
 LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL  
 CRN (65714-31-0)



● HBr

1 REFERENCES IN FILE CA (1907 TO DATE)  
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 15 OF 39 REGISTRY COPYRIGHT 2006 ACS on STN  
 RN 193206-49-4 REGISTRY  
 ED Entered STN: 28 Aug 1997  
 CN Carbamic acid, [2-[(2-aminoethyl)amino]ethyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)  
 FS 3D CONCORD  
 MF C9 H21 N3 O2  
 CI COM  
 SR CA  
 LC STN Files: CA, CAPLUS, CASREACT, CHEMCATS, CSCHEM, TOXCENTER, USPATFULL



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7 REFERENCES IN FILE CA (1907 TO DATE)  
7 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 16 OF 39 REGISTRY COPYRIGHT 2006 ACS on STN

RN 65271-80-9 REGISTRY

ED Entered STN: 16 Nov 1984

CN 9,10-Anthracenedione, 1,4-dihydroxy-5,8-bis[[2-[(2-hydroxyethyl)amino]ethyl]amino]- (9CI) (CA INDEX NAME)

OTHER NAMES:

CN 1,4-Bis[(2-(2-hydroxyethylamino)ethyl)amino]-5,8-dihydroxyanthraquinone

CN 1,4-Dihydroxy-5,8-bis-[[2-[(2-hydroxyethyl)amino]ethyl]amino]anthraquinone

CN 1,4-Dihydroxy-5,8-bis[[2-[(2-hydroxyethyl)amino]ethyl]amino]-9,10-anthracenedione

CN DHAQ

CN Dihydroxyanthraquinone

CN Mitoxanthrone

CN Mitoxantrone

CN Mitozantrone

CN Novantron

CN Novantrone

CN NSC 279836

CN Ralenova

FS 3D CONCORD

DR 137635-96-2, 70945-62-9

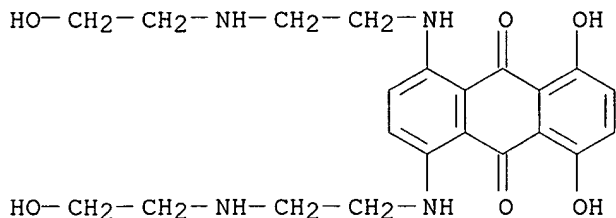
MF C22 H28 N4 O6

CI COM

LC STN Files: ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, BEILSTEIN\*, BIOSIS, BIOTECHNO, CA, CAPLUS, CASREACT, CBNB, CHEMCATS, CHEMLIST, CIN, CSCHEM, CSNB, DDFU, DRUGU, EMBASE, IMSDRUGNEWS, IMSPATENTS, IMSRESEARCH, IPA, MEDLINE, MRCK\*, PHAR, PROMT, PROUSDDR, PS, RTECS\*, SCISEARCH, SYNTHLINE, TOXCENTER, ULIDAT, USAN, USPAT2, USPATFULL, VETU

(\*File contains numerically searchable property data)

Other Sources: WHO



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

2976 REFERENCES IN FILE CA (1907 TO DATE)

104 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

2985 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 17 OF 39 REGISTRY COPYRIGHT 2006 ACS on STN

RN 59065-50-8 REGISTRY

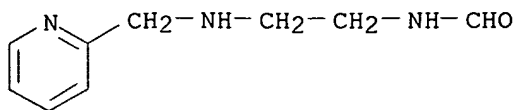
ED Entered STN: 16 Nov 1984

CN Formamide, N-[2-[(2-pyridinylmethyl)amino]ethyl]- (9CI) (CA INDEX NAME)

FS 3D CONCORD

MF C9 H13 N3 O

LC STN Files: CA, CAPLUS, IFICDB, IFIPAT, IFIUDB, TOXCENTER, USPATFULL



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

2 REFERENCES IN FILE CA (1907 TO DATE)  
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 18 OF 39 REGISTRY COPYRIGHT 2006 ACS on STN

RN 56420-45-2 REGISTRY

ED Entered STN: 16 Nov 1984

CN 5,12-Naphthacenedione, 10-[(3-amino-2,3,6-trideoxy- $\alpha$ -L-arabino-hexopyranosyl)oxy]-7,8,9,10-tetrahydro-6,8,11-trihydroxy-8-(hydroxyacetyl)-1-methoxy-, (8S,10S)- (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN 5,12-Naphthacenedione, 10-[(3-amino-2,3,6-trideoxy- $\alpha$ -L-arabino-hexopyranosyl)oxy]-7,8,9,10-tetrahydro-6,8,11-trihydroxy-8-(hydroxyacetyl)-1-methoxy-, (8S-cis)-

OTHER NAMES:

CN 4'-epi-Adriamycin

CN 4'-epi-Doxorubicin

CN 4'-Epi-DX

CN 4'-Epiadriamycin

CN 4'-Epidoxorubicin

CN Epiadriamycin

CN Epidoxorubicin

CN Epirubicin

CN Farmarubicin

CN Farmarubicine

CN IMI 28

CN NSC 256942

CN Pharmarubicin

CN Pidorubicin

CN WP 697

FS STEREOSEARCH

DR 57918-25-9

MF C27 H29 N O11

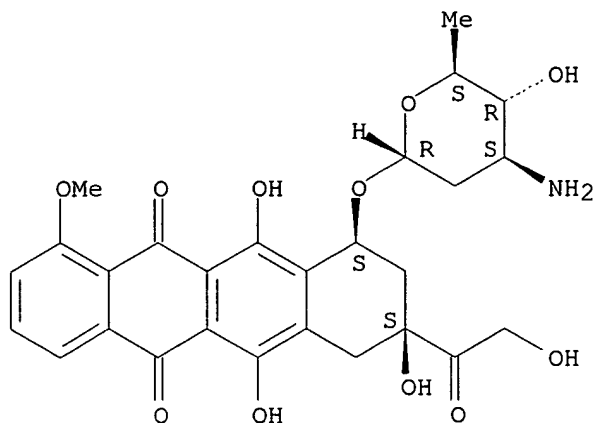
CI COM

LC STN Files: ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, BEILSTEIN\*, BIOSIS, BIOTECHNO, CA, CAPLUS, CBNB, CHEMCATS, CIN, CSCHEM, DDFU, DRUGU, EMBASE, HSDB\*, IMSCOSEARCH, IMSDRUGNEWS, IMSPATENTS, IMSRESEARCH, IPA, MEDLINE, MRCK\*, NAPRALERT, PHAR, PROMT, PROUSDDR, PS, RTECS\*, SCISEARCH, SYNTHLINE, TOXCENTER, USAN, USPAT2, USPATFULL, VETU

(\*File contains numerically searchable property data)

Other Sources: WHO

Absolute stereochemistry.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

2331 REFERENCES IN FILE CA (1907 TO DATE)

93 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

2336 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 19 OF 39 REGISTRY COPYRIGHT 2006 ACS on STN

RN 26455-95-8 REGISTRY

ED Entered STN: 16 Nov 1984

CN Benzo[f]quinoline-3-carbonitrile, 4-benzoyl-3,4-dihydro- (7CI, 8CI, 9CI)  
(CA INDEX NAME)

OTHER NAMES:

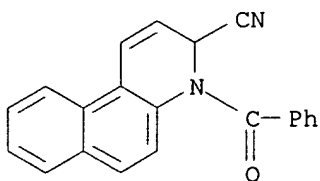
CN 1-Benzoyl-1,2-dihydrobenzo[f]quinaldonitrile

CN NSC 96541

FS 3D CONCORD

MF C21 H14 N2 O

LC STN Files: BEILSTEIN\*, CA, CAOLD, CAPLUS, CASREACT, TOXCENTER, USPATFULL  
(\*File contains numerically searchable property data)



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

8 REFERENCES IN FILE CA (1907 TO DATE)

8 REFERENCES IN FILE CAPLUS (1907 TO DATE)

1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L2 ANSWER 20 OF 39 REGISTRY COPYRIGHT 2006 ACS on STN

RN 25908-22-9 REGISTRY

ED Entered STN: 16 Nov 1984

CN Ethanaminium, N,N,N-triethyl-, (OC-6-22)-tribromotricarbonylrhenate(2-)  
(2:1) (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Ammonium, tetraethyl-, tribromotricarbonylrhenate(2-) (2:1), cis- (8CI)

CN Rhenate(2-), tribromotricarbonyl-, (OC-6-22)-, bis(N,N,N-triethylethanaminium) (9CI)

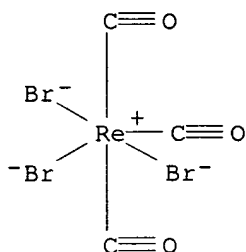
CN Rhenate(2-), tribromotricarbonyl-, bis(tetraethylammonium), cis- (8CI)

OTHER NAMES:

CN Bis(tetraethylammonium) fac-tribromotricarbonylrhenate  
 CN Bis(tetraethylammonium) fac-tribromotricarbonylrhenate(2-)  
 CN Bis(tetraethylammonium) tribromotricarbonylrhenate(2-)  
 CN fac-Bis(tetraethylammonium) tribromotricarbonylrhenate(2-)  
 MF C8 H20 N . 1/2 C3 Br3 O3 Re  
 LC STN Files: CA, CAPLUS, CASREACT, GMELIN\*, TOXCENTER, USPAT2, USPATFULL  
 (\*File contains numerically searchable property data)

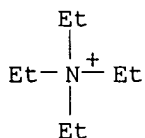
CM 1

CRN 44863-71-0  
 CMF C3 Br3 O3 Re  
 CCI CCS



CM 2

CRN 66-40-0  
 CMF C8 H20 N

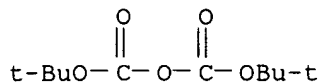


\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

125 REFERENCES IN FILE CA (1907 TO DATE)  
 125 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 21 OF 39 REGISTRY COPYRIGHT 2006 ACS on STN  
 RN 24424-99-5 REGISTRY  
 ED Entered STN: 16 Nov 1984  
 CN Dicarmonic acid, bis(1,1-dimethylethyl) ester (9CI) (CA INDEX NAME)  
 OTHER CA INDEX NAMES:  
 CN Formic acid, oxydi-, di-tert-butyl ester (7CI, 8CI)  
 OTHER NAMES:  
 CN Bis(1,1-dimethylethyl) dicarbonate  
 CN Bis(tert-butyl) dicarbonate  
 CN BOC-anhydride  
 CN Di-tert-butyl dicarbonate  
 CN Di-tert-butyl oxydifomate  
 CN Di-tert-butyl pyrocarbonate  
 CN Pyrocarbonic acid di-tert-butyl ester  
 CN tert-Butoxycarbonyl anhydride  
 CN tert-Butyl dicarbonate  
 FS 3D CONCORD

MF C10 H18 O5  
 CI COM  
 LC STN Files: BEILSTEIN\*, BIOSIS, CA, CAOLD, CAPLUS, CASREACT, CBNB,  
 CHEMCATS, CHEMINFORMRX, CHEMLIST, CIN, CSChem, GMELIN\*, IPA, MEDLINE,  
 MSDS-OHS, PROMT, PS, RTECS\*, SYNTHLINE, TOXCENTER, USPAT2, USPATFULL  
 (\*File contains numerically searchable property data)  
 Other Sources: DSL\*\*, EINECS\*\*, TSCA\*\*  
 (\*\*Enter CHEMLIST File for up-to-date regulatory information)



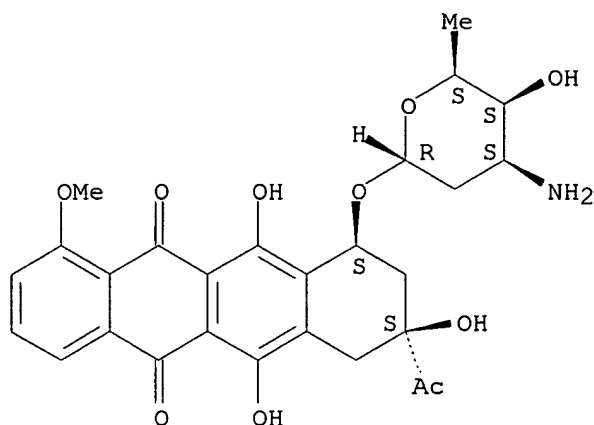
\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

4922 REFERENCES IN FILE CA (1907 TO DATE)  
 155 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
 4941 REFERENCES IN FILE CAPLUS (1907 TO DATE)  
 1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L2 ANSWER 22 OF 39 REGISTRY COPYRIGHT 2006 ACS on STN  
 RN 20830-81-3 REGISTRY  
 ED Entered STN: 16 Nov 1984  
 CN 5,12-Naphthacenedione, 8-acetyl-10-[(3-amino-2,3,6-trideoxy- $\alpha$ -L-lyxo-hexopyranosyl)oxy]-7,8,9,10-tetrahydro-6,8,11-trihydroxy-1-methoxy-, (8S,10S)- (9CI) (CA INDEX NAME)  
 OTHER CA INDEX NAMES:  
 CN 5,12-Naphthacenedione, 8-acetyl-10-[(3-amino-2,3,6-trideoxy- $\alpha$ -L-lyxo-hexopyranosyl)oxy]-7,8,9,10-tetrahydro-6,8,11-trihydroxy-1-methoxy-, (8S-cis)-  
 CN Daunomycin (8CI)  
 OTHER NAMES:  
 CN (+)-Daunomycin  
 CN Acetyladriamycin  
 CN Cerubidin  
 CN Daunoblastina  
 CN Daunomycine  
 CN Daunorubicin  
 CN Daunorubicine  
 CN DaunoXome  
 CN Leukaemomycin C  
 CN NSC 82151  
 CN NSC 83142  
 CN RP 13057  
 CN Rubidomycin  
 CN Rubomycin C  
 FS STEREOSEARCH  
 DR 11006-54-5, 11048-29-6, 1407-15-4, 23942-76-9, 149541-57-1, 27576-81-4, 28020-80-6  
 MF C27 H29 N O10  
 CI COM  
 LC STN Files: ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, BEILSTEIN\*, BIOSIS, BIOTECHNO, CA, CAOLD, CAPLUS, CASREACT, CBNB, CHEMCATS, CHEMINFORMRX, CHEMLIST, CIN, CSChem, CSNB, DDFU, DRUGU, EMBASE, HSDB\*, IFICDB, IFIPAT, IFIUDB, IMSCoSEARCH, IPA, MEDLINE, MRCK\*, MSDS-OHS, NAPRALERT, PHAR, PIRA, PROMT, PS, RTECS\*, SPECINFO, SYNTHLINE, TOXCENTER, USAN, USPAT2, USPATFULL  
 (\*File contains numerically searchable property data)  
 Other Sources: EINECS\*\*, WHO  
 (\*\*Enter CHEMLIST File for up-to-date regulatory information)



Absolute stereochemistry.



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

6301 REFERENCES IN FILE CA (1907 TO DATE)  
667 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
6308 REFERENCES IN FILE CAPLUS (1907 TO DATE)  
2 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L2 ANSWER 23 OF 39 REGISTRY COPYRIGHT 2006 ACS on STN  
RN 14998-63-1 REGISTRY  
ED Entered STN: 16 Nov 1984  
CN Rhenium, isotope of mass 186 (8CI, 9CI) (CA INDEX NAME)  
OTHER NAMES:  
CN 186Re  
CN Re 186  
CN Re-186  
CN Rhenium-186  
MF Re  
CI COM  
LC STN Files: ADISNEWS, ANABSTR, BIOSIS, BIOTECHNO, CA, CAOLD, CAPLUS,  
CBNB, CIN, EMBASE, PROMT, TOXCENTER, USPAT2, USPATFULL

186Re

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1121 REFERENCES IN FILE CA (1907 TO DATE)  
402 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
1123 REFERENCES IN FILE CAPLUS (1907 TO DATE)  
6 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L2 ANSWER 24 OF 39 REGISTRY COPYRIGHT 2006 ACS on STN  
RN 14378-26-8 REGISTRY  
ED Entered STN: 16 Nov 1984  
CN Rhenium, isotope of mass 188 (8CI, 9CI) (CA INDEX NAME)  
OTHER NAMES:  
CN 188Re  
CN Re 188  
CN Rhenium-188  
MF Re  
CI COM  
SR CA

LC STN Files: AGRICOLA, ANABSTR, BIOSIS, CA, CAOLD, CAPLUS, CASREACT, CBNB,  
CIN, IPA, PROMT, TOXCENTER, USPAT2, USPATFULL

188Re

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1216 REFERENCES IN FILE CA (1907 TO DATE)  
477 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
1218 REFERENCES IN FILE CAPLUS (1907 TO DATE)  
7 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L2 ANSWER 25 OF 39 REGISTRY COPYRIGHT 2006 ACS on STN  
RN 14133-76-7 REGISTRY  
ED Entered STN: 16 Nov 1984  
CN Technetium, isotope of mass 99 (8CI, 9CI) (CA INDEX NAME)  
OTHER NAMES:  
CN 99Tc  
CN Tc 99  
CN Technetium-99  
MF Tc  
CI COM  
LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, BIOSIS, BIOTECHNO, CA, CAOLD,  
CAPLUS, CASREACT, CBNB, CHEMLIST, CIN, CSNB, EMBASE, IFICDB, IFIPAT,  
IFIUDB, IPA, MSDS-OHS, PROMT, TOXCENTER, USPAT2, USPATFULL

99Tc

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

9189 REFERENCES IN FILE CA (1907 TO DATE)  
3642 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
9196 REFERENCES IN FILE CAPLUS (1907 TO DATE)  
27 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L2 ANSWER 26 OF 39 REGISTRY COPYRIGHT 2006 ACS on STN  
RN 12678-01-2 REGISTRY  
ED Entered STN: 16 Nov 1984  
CN Phenanthroline (7CI, 9CI) (CA INDEX NAME)  
MF C12 H8 N2  
CI COM, MAN  
LC STN Files: AGRICOLA, ANABSTR, BIOSIS, BIOTECHNO, CA, CAOLD, CAPLUS,  
CASREACT, CIN, DETHERM\*, EMBASE, IFICDB, IFIPAT, IFIUDB, PIRA, PROMT,  
TOXCENTER, TULSA, USPAT2, USPATFULL  
(\*File contains numerically searchable property data)

\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

265 REFERENCES IN FILE CA (1907 TO DATE)  
84 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
267 REFERENCES IN FILE CAPLUS (1907 TO DATE)  
4 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L2 ANSWER 27 OF 39 REGISTRY COPYRIGHT 2006 ACS on STN  
RN 7439-96-5 REGISTRY  
ED Entered STN: 16 Nov 1984  
CN Manganese (8CI, 9CI) (CA INDEX NAME)  
OTHER NAMES:  
CN Colloidal manganese

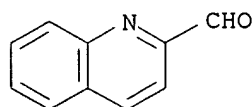
CN Cutaval  
 CN JIS-G 1213  
 CN Manganese element  
 CN Manganese fulleride (MnC20)  
 CN Manganese-55  
 DR 8031-40-1, 8075-39-6, 17375-02-9, 39303-06-5, 195161-78-5  
 MF Mn  
 CI COM  
 LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, AQUIRE, BIOSIS, BIOTECHNO, CA, CABA, CAOLD, CAPLUS, CASREACT, CBNB, CHEMCATS, CHEMLIST, CHEMSAFE, CIN, CSCHEM, CSNB, DDFU, DETHERM\*, DRUGU, EMBASE, ENCOMPLIT, ENCOMPLIT2, ENCOMPPAT, ENCOMPPAT2, HSDB\*, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MRCK\*, MSDS-OHS, PIRA, PROMT, RTECS\*, TOXCENTER, TULSA, ULIDAT, USPAT2, USPATFULL, VETU, VTB  
 (\*File contains numerically searchable property data)  
 Other Sources: DSL\*\*, EINECS\*\*, TSCA\*\*  
 (\*\*Enter CHEMLIST File for up-to-date regulatory information)

Mn

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

182431 REFERENCES IN FILE CA (1907 TO DATE)  
 9241 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
 182655 REFERENCES IN FILE CAPLUS (1907 TO DATE)  
 1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L2 ANSWER 28 OF 39 REGISTRY COPYRIGHT 2006 ACS on STN  
 RN 5470-96-2 REGISTRY  
 ED Entered STN: 16 Nov 1984  
 CN 2-Quinolinecarboxaldehyde (9CI) (CA INDEX NAME)  
 OTHER CA INDEX NAMES:  
 CN Quinaldaldehyde (6CI, 7CI, 8CI)  
 OTHER NAMES:  
 CN 2-Formylquinoline  
 CN 2-Quinolinecarbaldehyde  
 CN 2-Quinolylaldehyde  
 CN 2-Quinolylcarbaldehyde  
 CN NSC 27026  
 FS 3D CONCORD  
 MF C10 H7 N O  
 CI COM  
 LC STN Files: BEILSTEIN\*, BIOSIS, CA, CAOLD, CAPLUS, CASREACT, CHEMCATS, CHEMINFORMRX, CHEMLIST, CSCHEM, GMELIN\*, IFICDB, IFIPAT, IFIUDB, PS, SPECINFO, TOXCENTER, USPAT2, USPATFULL  
 (\*File contains numerically searchable property data)  
 Other Sources: EINECS\*\*  
 (\*\*Enter CHEMLIST File for up-to-date regulatory information)



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

449 REFERENCES IN FILE CA (1907 TO DATE)  
 3 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

451 REFERENCES IN FILE CAPLUS (1907 TO DATE)  
29 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

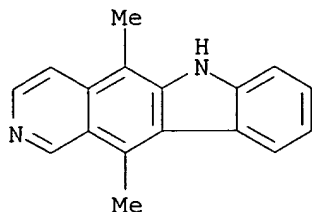
L2 ANSWER 29 OF 39 REGISTRY COPYRIGHT 2006 ACS on STN  
RN 1001-53-2 REGISTRY  
ED Entered STN: 16 Nov 1984  
CN Acetamide, N-(2-aminoethyl)- (6CI, 7CI, 8CI, 9CI) (CA INDEX NAME)  
OTHER NAMES:  
CN 1,2-Ethanediamine, N-acetyl-  
CN 2-(Acetylamino)ethylamine  
CN 2-Acetamido-1-ethanamine  
CN 2-Acetamidoethylamine  
CN N-(2-Aminoethyl)acetamide  
CN N-Acetyl-1,2-diaminoethane  
CN N-Acetyl-1,2-ethanediamine  
CN N-Acetyl-1,2-ethylenediamine  
CN N-Acetyleneethylenediamine  
CN N-Monoacetyleneethylenediamine  
CN N1-Acetyleneethylenediamine  
CN NSC 28936  
FS 3D CONCORD  
MF C4 H10 N2 O  
CI COM  
LC STN Files: BEILSTEIN\*, BIOSIS, CA, CAOLD, CAPLUS, CASREACT, CHEMCATS,  
CHEMINFORMRX, CHEMLIST, CSCHEM, IFICDB, IFIPAT, IFIUDB, IPA, SYNTHLINE,  
TOXCENTER, USPAT2, USPATFULL  
(\*File contains numerically searchable property data)

AcNH-CH<sub>2</sub>-CH<sub>2</sub>-NH<sub>2</sub>

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

403 REFERENCES IN FILE CA (1907 TO DATE)  
10 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
404 REFERENCES IN FILE CAPLUS (1907 TO DATE)  
7 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L2 ANSWER 30 OF 39 REGISTRY COPYRIGHT 2006 ACS on STN  
RN 519-23-3 REGISTRY  
ED Entered STN: 16 Nov 1984  
CN 6H-Pyrido[4,3-b]carbazole, 5,11-dimethyl- (7CI, 8CI, 9CI) (CA INDEX NAME)  
OTHER CA INDEX NAMES:  
CN Ellipticine (6CI)  
OTHER NAMES:  
CN 5,11-Dimethyl-6H-pyrido[4,3-b]carbazole  
CN CP 5  
CN NSC 71795  
FS 3D CONCORD  
MF C17 H14 N2  
CI COM  
LC STN Files: AGRICOLA, ANABSTR, BEILSTEIN\*, BIOSIS, BIOTECHNO, CA, CAOLD,  
CAPLUS, CASREACT, CHEMCATS, CHEMINFORMRX, CHEMLIST, CSCHEM, DDFU, DRUGU,  
EMBASE, IPA, MEDLINE, MRCK\*, NAPRALERT, PROMT, RTECS\*, SPECINFO,  
TOXCENTER, USPAT2, USPATFULL  
(\*File contains numerically searchable property data)  
Other Sources: EINECS\*\*  
(\*Enter CHEMLIST File for up-to-date regulatory information)



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

652 REFERENCES IN FILE CA (1907 TO DATE)  
 138 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
 653 REFERENCES IN FILE CAPLUS (1907 TO DATE)  
 8 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L2 ANSWER 31 OF 39 REGISTRY COPYRIGHT 2006 ACS on STN

RN 260-94-6 REGISTRY

ED Entered STN: 16 Nov 1984

CN Acridine (8CI, 9CI) (CA INDEX NAME)

OTHER NAMES:

CN 10-Azaanthracene

CN 2,3-Benzoquinoline

CN 9-Azaanthracene

CN Benzo[b]quinoline

CN Dibenzo[b,e]pyridine

CN NSC 3408

FS 3D CONCORD

MF C13 H9 N

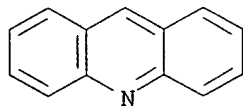
CI COM, RPS

LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN\*, BIOSIS, BIOTECHNO, CA, CAOLD, CAPLUS, CASREACT, CHEMCATS, CHEMINFORMRX, CHEMLIST, CIN, CSCHM, CSNB, DDFU, DETHERM\*, DRUGU, EMBASE, ENCOMPLIT, ENCOMPLIT2, ENCOMPPAT, ENCOMPPAT2, GMELIN\*, HSDB\*, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MRCK\*, MSDS-OHS, PIRA, PROMT, RTECS\*, SPECINFO, TOXCENTER, TULSA, ULIDAT, USPAT2, USPATFULL, VETU, VTB

(\*File contains numerically searchable property data)

Other Sources: EINECS\*\*, NDSL\*\*, TSCA\*\*

(\*\*Enter CHEMLIST File for up-to-date regulatory information)



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

4531 REFERENCES IN FILE CA (1907 TO DATE)  
 625 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
 4538 REFERENCES IN FILE CAPLUS (1907 TO DATE)  
 5 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L2 ANSWER 32 OF 39 REGISTRY COPYRIGHT 2006 ACS on STN

RN 112-24-3 REGISTRY

ED Entered STN: 16 Nov 1984

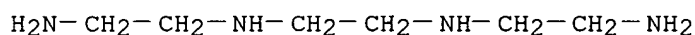
CN 1,2-Ethanediamine, N,N'-bis(2-aminoethyl)- (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Triethylenetetramine (8CI)

OTHER NAMES:

CN 1,4,7,10-Tetraazadecane  
 CN 1,8-Diamino-3,6-diazaoctane  
 CN 3,6-Diazaoctane-1,8-diamine  
 CN Ancamine TETA  
 CN Araldite Hardener HY 951  
 CN Araldite HY 951  
 CN DEH 24  
 CN Epicure 3234  
 CN HY 951  
 CN N,N'-Bis(2-aminoethyl)-1,2-diaminoethane  
 CN N,N'-Bis(2-aminoethyl)-1,2-ethanediamine  
 CN N,N'-Bis(2-aminoethyl)ethylenediamine  
 CN NSC 443  
 CN RT 1AX  
 CN Rutapox VE 2896  
 CN TECZA  
 CN TETA  
 CN TETA (crosslinking agent)  
 CN Trien  
 CN Trientine  
 CN VE 2896  
 CN Z1  
 FS 3D CONCORD  
 DR 801997-18-2, 14175-14-5, 105093-20-7, 71124-11-3, 39421-77-7, 110670-33-2, 193487-08-0  
 MF C6 H18 N4  
 CI COM  
 LC STN Files: ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN\*, BIOSIS, BIOTECHNO, CA, CAOLD, CAPLUS, CASREACT, CBNB, CHEMCATS, CHEMINFORMRX, CHEMLIST, CHEMSAFE, CIN, CSCHEM, CSNB, DDFU, DETHERM\*, DRUGU, EMBASE, ENCOMPLIT, ENCOMPLIT2, ENCOMPPAT, ENCOMPPAT2, GMELIN\*, HSDB\*, IFICDB, IFIPAT, IFIUDB, IMSDRUGNEWS, IMSRESEARCH, IPA, MEDLINE, MRCK\*, MSDS-OHS, PIRA, PROMT, PS, RTECS\*, SPECINFO, SYNTHLINE, TOXCENTER, TULSA, ULIDAT, USAN, USPAT2, USPATFULL, VETU, VTB  
 (\*File contains numerically searchable property data)  
 Other Sources: DSL\*\*, EINECS\*\*, TSCA\*\*, WHO  
 (\*\*Enter CHEMLIST File for up-to-date regulatory information)



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

5943 REFERENCES IN FILE CA (1907 TO DATE)  
 1697 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
 5949 REFERENCES IN FILE CAPLUS (1907 TO DATE)  
 114 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L2 ANSWER 33 OF 39 REGISTRY COPYRIGHT 2006 ACS on STN  
 RN 111-40-0 REGISTRY  
 ED Entered STN: 16 Nov 1984  
 CN 1,2-Ethanediamine, N-(2-aminoethyl)- (9CI) (CA INDEX NAME)  
 OTHER CA INDEX NAMES:  
 CN Diethylenetriamine (8CI)  
 OTHER NAMES:  
 CN 1,4,7-Triazaheptane  
 CN 1,5-Diamino-3-azapentane  
 CN 2,2'-Diaminodiethylamine  
 CN 2,2'-Iminobis(ethanamine)  
 CN 2-(2-Aminoethylamino)ethylamine  
 CN 3-Azapentane-1,5-diamine

CN Ancamine DETA  
 CN Bis( $\beta$ -aminoethyl)amine  
 CN Bis(2-aminoethyl)amine  
 CN ChS-P 1  
 CN DEH 20  
 CN DETA  
 CN Epicure T  
 CN Epon 3223  
 CN H 9506  
 CN N,N-Bis(2-aminoethyl)amine  
 CN N-(2-Aminoethyl)-1,2-ethanediamine  
 CN N-(2-Aminoethyl)ethylenediamine  
 CN NCI 138881  
 CN NSC 446  
 FS 3D CONCORD  
 DR 859039-00-2, 8076-55-9, 53303-76-7, 54018-92-7, 59135-90-9, 94700-17-1,  
 98824-35-2, 73989-30-7, 26915-78-6, 419553-44-9  
 MF C4 H13 N3  
 CI COM  
 LC STN Files: AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN\*, BIOSIS, BIOTECHNO, CA,  
 CAOLD, CAPLUS, CASREACT, CBNB, CHEMCATS, CHEMINFORMRX, CHEMLIST,  
 CHEMSAFE, CIN, CSCHEM, CSNB, DDFU, DETHERM\*, DRUGU, EMBASE, ENCOMPLIT,  
 ENCOMPLIT2, ENCOMPPAT, ENCOMPPAT2, GMELIN\*, HSDB\*, IFICDB, IFIPAT,  
 IFIUDB, IPA, MEDLINE, MSDS-OHS, PIRA, PROMT, RTECS\*, SPECINFO,  
 SYNTHLINE, TOXCENTER, TULSA, ULIDAT, USPAT2, USPATFULL, VTB  
 (\*File contains numerically searchable property data)  
 Other Sources: DSL\*\*, EINECS\*\*, TSCA\*\*  
 (\*\*Enter CHEMLIST File for up-to-date regulatory information)

$\text{H}_2\text{N}-\text{CH}_2-\text{CH}_2-\text{NH}-\text{CH}_2-\text{CH}_2-\text{NH}_2$

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

9243 REFERENCES IN FILE CA (1907 TO DATE)  
 3097 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
 9256 REFERENCES IN FILE CAPLUS (1907 TO DATE)  
 168 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

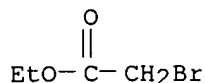
L2 ANSWER 34 OF 39 REGISTRY COPYRIGHT 2006 ACS on STN  
 RN 105-36-2 REGISTRY  
 ED Entered STN: 16 Nov 1984  
 CN Acetic acid, bromo-, ethyl ester (6CI, 8CI, 9CI) (CA INDEX NAME)  
 OTHER NAMES:  
 CN (Ethoxycarbonyl)methyl bromide  
 CN  $\alpha$ -Bromoacetic acid ethyl ester  
 CN 2-Bromoacetic acid ethyl ester  
 CN Antol  
 CN Bromoacetic acid ethyl ester  
 CN Ethyl  $\alpha$ -bromoacetate  
 CN Ethyl 2-bromoacetate  
 CN Ethyl 2-bromoethanoate  
 CN Ethyl bromacetate  
 CN Ethyl bromoacetate  
 CN Ethyl bromoethanoate  
 CN Ethyl monobromoacetate  
 CN NSC 8832  
 FS 3D CONCORD  
 DR 679806-14-5  
 MF C4 H7 Br O2  
 CI COM  
 LC STN Files: AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN\*, BIOSIS, CA, CAOLD,

CAPLUS, CASREACT, CHEMCATS, CHEMINFORMRX, CHEMLIST, CIN, CSCHEM, CSNB, DETHERM\*, EMBASE, GMELIN\*, HSDB\*, IFICDB, IFIPAT, IFIADB, MEDLINE, MSDS-OHS, PROMT, PS, RTECS\*, SPECINFO, SYNTHLINE, TOXCENTER, USPAT2, USPATFULL

(\*File contains numerically searchable property data)

Other Sources: DSL\*\*, EINECS\*\*, TSCA\*\*

(\*\*Enter CHEMLIST File for up-to-date regulatory information)



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

8356 REFERENCES IN FILE CA (1907 TO DATE)

27 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

8370 REFERENCES IN FILE CAPLUS (1907 TO DATE)

43 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L2 ANSWER 35 OF 39 REGISTRY COPYRIGHT 2006 ACS on STN

RN 98-88-4 REGISTRY

ED Entered STN: 16 Nov 1984

CN Benzoyl chloride (8CI, 9CI) (CA INDEX NAME)

OTHER NAMES:

CN Benzaldehyde,  $\alpha$ -chloro-

CN Benzenecarbonyl chloride

CN Benzoic acid chloride

FS 3D CONCORD

MF C7 H5 Cl O

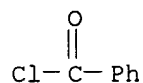
CI COM

LC STN Files: AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN\*, BIOSIS, CA, CAOLD, CAPLUS, CASREACT, CBNB, CHEMCATS, CHEMINFORMRX, CHEMLIST, CHEMSAFE, CIN, CSCHEM, CSNB, DETHERM\*, EMBASE, ENCOMPLIT, ENCOMPLIT2, ENCOMPPAT, ENCOMPPAT2, GMELIN\*, HSDB\*, IFICDB, IFIPAT, IFIADB, MEDLINE, MRCK\*, MSDS-OHS, PIRA, PROMT, PS, RTECS\*, SPECINFO, SYNTHLINE, TOXCENTER, ULIDAT, USPAT2, USPATFULL, VTB

(\*File contains numerically searchable property data)

Other Sources: DSL\*\*, EINECS\*\*, TSCA\*\*

(\*\*Enter CHEMLIST File for up-to-date regulatory information)



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

15950 REFERENCES IN FILE CA (1907 TO DATE)

407 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

15992 REFERENCES IN FILE CAPLUS (1907 TO DATE)

8 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L2 ANSWER 36 OF 39 REGISTRY COPYRIGHT 2006 ACS on STN

RN 91-63-4 REGISTRY

ED Entered STN: 16 Nov 1984

CN Quinoline, 2-methyl- (9CI) (CA INDEX NAME)

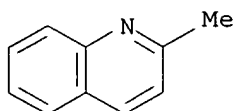
OTHER CA INDEX NAMES:

CN Quinaldine (8CI)

OTHER NAMES:



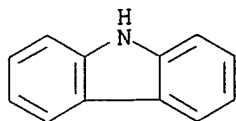
CN 2-Methylquinoline  
 CN Khinaldin  
 CN NSC 3397  
 FS 3D CONCORD  
 MF C10 H9 N  
 CI COM  
 LC STN Files: AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN\*, BIOSIS, BIOTECHNO, CA, CAOLD, CAPLUS, CASREACT, CHEMCATS, CHEMINFORMRX, CHEMLIST, CIN, CSCHEM, CSNB, DDFU, DETHERM\*, DRUGU, EMBASE, GMELIN\*, IFICDB, IFIPAT, IFIUDB, MEDLINE, MRCK\*, MSDS-OHS, NAPRALERT, PROMT, RTECS\*, SPECINFO, SYNTHLINE, TOXCENTER, ULIDAT, USPAT2, USPATFULL  
 (\*File contains numerically searchable property data)  
 Other Sources: DSL\*\*, EINECS\*\*, TSCA\*\*  
 (\*\*Enter CHEMLIST File for up-to-date regulatory information)



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1992 REFERENCES IN FILE CA (1907 TO DATE)  
 53 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
 1992 REFERENCES IN FILE CAPLUS (1907 TO DATE)  
 15 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

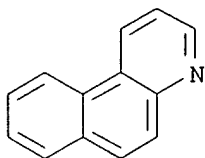
L2 ANSWER 37 OF 39 REGISTRY COPYRIGHT 2006 ACS on STN  
 RN 86-74-8 REGISTRY  
 ED Entered STN: 16 Nov 1984  
 CN 9H-Carbazole (9CI) (CA INDEX NAME)  
 OTHER CA INDEX NAMES:  
 CN Carbazole (8CI)  
 OTHER NAMES:  
 CN 9-Azafluorene  
 CN Chlorophenesin carbamate  
 CN Dibenzopyrrole  
 CN Dibenzo[b,d]pyrrole  
 CN Diphenylenimine  
 CN NSC 3498  
 CN SKF 20091  
 FS 3D CONCORD  
 MF C12 H9 N  
 CI COM  
 LC STN Files: AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN\*, BIOSIS, BIOTECHNO, CA, CAOLD, CAPLUS, CASREACT, CBNB, CHEMCATS, CHEMINFORMRX, CHEMLIST, CIN, CSCHEM, CSNB, DDFU, DETHERM\*, DRUGU, EMBASE, ENCOMPLIT, ENCOMPLIT2, ENCOMPPAT, ENCOMPPAT2, GMELIN\*, HSDB\*, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MRCK\*, MSDS-OHS, NAPRALERT, PIRA, PROMT, RTECS\*, SPECINFO, SYNTHLINE, TOXCENTER, TULSA, ULIDAT, USPAT2, USPATFULL, VTB  
 (\*File contains numerically searchable property data)  
 Other Sources: DSL\*\*, EINECS\*\*, TSCA\*\*  
 (\*\*Enter CHEMLIST File for up-to-date regulatory information)



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

5803 REFERENCES IN FILE CA (1907 TO DATE)  
 609 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
 5816 REFERENCES IN FILE CAPLUS (1907 TO DATE)  
 5 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L2 ANSWER 38 OF 39 REGISTRY COPYRIGHT 2006 ACS on STN  
 RN 85-02-9 REGISTRY  
 ED Entered STN: 16 Nov 1984  
 CN Benzo[f]quinoline (6CI, 8CI, 9CI) (CA INDEX NAME)  
 OTHER NAMES:  
 CN  $\beta$ -Naphthoquinoline  
 CN 1-Azaphenanthrene  
 CN 5,6-Benzoquinoline  
 CN 5,6-Benzo[f]quinoline  
 CN NSC 9850  
 FS 3D CONCORD  
 DR 76713-23-0  
 MF C13 H9 N  
 CI COM, RPS  
 LC STN Files: ANABSTR, AQUIRE, BEILSTEIN\*, BIOSIS, CA, CAOLD, CAPLUS,  
 CASREACT, CHEMCATS, CHEMINFORMRX, CHEMLIST, CSCHEM, CSNB, DETHERM\*,  
 EMBASE, GMELIN\*, IFICDB, IFIPAT, IFIUDB, MEDLINE, MRCK\*, RTECS\*,  
 SPECINFO, TOXCENTER, USPATFULL  
 (\*File contains numerically searchable property data)  
 Other Sources: EINECS\*\*  
 (\*\*Enter CHEMLIST File for up-to-date regulatory information)

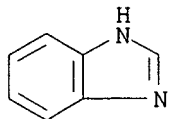


\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

899 REFERENCES IN FILE CA (1907 TO DATE)  
 49 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
 899 REFERENCES IN FILE CAPLUS (1907 TO DATE)  
 51 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L2 ANSWER 39 OF 39 REGISTRY COPYRIGHT 2006 ACS on STN  
 RN 51-17-2 REGISTRY  
 ED Entered STN: 16 Nov 1984  
 CN 1H-Benzimidazole (9CI) (CA INDEX NAME)  
 OTHER CA INDEX NAMES:  
 CN Benzimidazole (6CI, 8CI)  
 OTHER NAMES:  
 CN 1,3-Benzodiazole  
 CN 1,3-Diazaindene  
 CN 3-Azaindole

CN Azindole  
 CN Benziminazole  
 CN Benzoglyoxaline  
 CN Benzoimidazole  
 CN BZI  
 CN N,N'-Methenyl-o-phenylenediamine  
 CN NSC 759  
 CN o-Benzimidazole  
 FS 3D CONCORD  
 DR 25463-25-6, 79351-71-6, 116421-27-3  
 MF C7 H6 N2  
 CI COM, RPS  
 LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN\*, BIOSIS,  
 BIOTECHNO, CA, CABA, CAOLD, CAPLUS, CASREACT, CBNB, CHEMCATS,  
 CHEMINFORMRX, CHEMLIST, CIN, CSCHM, DDFU, DETHERM\*, DRUGU, EMBASE,  
 GMELIN\*, HSDB\*, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MRCK\*, MSDS-OHS,  
 NAPRALERT, PIRA, PROMT, RTECS\*, SPECINFO, SYNTHLINE, TOXCENTER, ULIDAT,  
 USPAT2, USPATFULL, VETU, VTB  
 (\*File contains numerically searchable property data)  
 Other Sources: EINECS\*\*, NDSL\*\*, TSCA\*\*  
 (\*\*Enter CHEMLIST File for up-to-date regulatory information)



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

6333 REFERENCES IN FILE CA (1907 TO DATE)  
 1941 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
 6341 REFERENCES IN FILE CAPLUS (1907 TO DATE)  
 11 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> s 289705-41-5/rn or 289705-40-4/rn  
       1 289705-41-5/RN  
       1 289705-40-4/RN  
 L3      2 289705-41-5/RN OR 289705-40-4/RN

=> file caplus  
 COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
76.30	79.00

FULL ESTIMATED COST

FILE 'CAPLUS' ENTERED AT 08:44:25 ON 11 SEP 2006  
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FILE COVERS 1907 - 11 Sep 2006 VOL 145 ISS 12  
FILE LAST UPDATED: 10 Sep 2006 (20060910/ED)

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=> s 289705-41-5/rn or 289705-40-4/rn  
1 289705-41-5  
0 289705-41-5D  
1 289705-41-5/RN  
(289705-41-5 (NOTL) 289705-41-5D )  
1 289705-40-4  
0 289705-40-4D  
1 289705-40-4/RN  
(289705-40-4 (NOTL) 289705-40-4D )  
L4 1 289705-41-5/RN OR 289705-40-4/RN

=> d ibib

L4 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2006 ACS on STN  
ACCESSION NUMBER: 2000:608618 CAPLUS  
DOCUMENT NUMBER: 133:204807  
TITLE: Molecules for the treatment and diagnosis of tumors  
INVENTOR(S): Alberto, Roger Ariel; Schibli, Roger  
PATENT ASSIGNEE(S): Mallinckrodt Inc., USA  
SOURCE: PCT Int. Appl., 28 pp.  
CODEN: PIXXD2  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000050086	A1	20000831	WO 2000-EP1553	20000224
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
CA 2360419	AA	20000831	CA 2000-2360419	20000224
EP 1154798	A1	20011121	EP 2000-910711	20000224
EP 1154798	B1	20060510		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, CY				
JP 2002537360	T2	20021105	JP 2000-600696	20000224
AT 325624	E	20060615	AT 2000-910711	20000224
US 6844425	B1	20050118	US 2001-913788	20010815
US 2005019254	A1	20050127	US 2004-707994	20040130
PRIORITY APPLN. INFO.:			US 1999-121340P	P 19990224
			EP 1999-200754	A 19990312
			WO 2000-EP1553	W 20000224
			US 2001-913788	A1 20010815
REFERENCE COUNT:	10	THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT		

=>

---Logging off of STN---

=>

Executing the logoff script...

=> LOG Y

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	9.40	88.40

STN INTERNATIONAL LOGOFF AT 08:44:51 ON 11 SEP 2006

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSSPTA1642BJF

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

\* \* \* \* \* Welcome to STN International \* \* \* \* \*

NEWS 1	Web Page URLs for STN Seminar Schedule - N. America
NEWS 2	"Ask CAS" for self-help around the clock
NEWS 3 FEB 27	New STN AnaVist pricing effective March 1, 2006
NEWS 4 MAY 10	CA/CAPLUS enhanced with 1900-1906 U.S. patent records
NEWS 5 MAY 11	KOREAPAT updates resume
NEWS 6 MAY 19	Derwent World Patents Index to be reloaded and enhanced
NEWS 7 MAY 30	IPC 8 Rolled-up Core codes added to CA/CAPLUS and USPATFULL/USPAT2
NEWS 8 MAY 30	The F-Term thesaurus is now available in CA/CAPLUS
NEWS 9 JUN 02	The first reclassification of IPC codes now complete in INPADOC
NEWS 10 JUN 26	TULSA/TULSA2 reloaded and enhanced with new search and and display fields
NEWS 11 JUN 28	Price changes in full-text patent databases EPFULL and PCTFULL
NEWS 12 JUL 11	CHEMSAFE reloaded and enhanced
NEWS 13 JUL 14	FSTA enhanced with Japanese patents
NEWS 14 JUL 19	Coverage of Research Disclosure reinstated in DWPI
NEWS 15 AUG 09	INSPEC enhanced with 1898-1968 archive
NEWS 16 AUG 28	ADISCTI Reloaded and Enhanced
NEWS 17 AUG 30	CA(SM)/CAPLUS(SM) Austrian patent law changes
NEWS EXPRESS	JUNE 30 CURRENT WINDOWS VERSION IS V8.01b, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 26 JUNE 2006.
NEWS HOURS	STN Operating Hours Plus Help Desk Availability
NEWS LOGIN	Welcome Banner and News Items
NEWS IPC8	For general information regarding STN implementation of IPC 8
NEWS X25	X.25 communication option no longer available

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FILE 'HOME' ENTERED AT 08:47:38 ON 11 SEP 2006

=>

Uploading

THIS COMMAND NOT AVAILABLE IN THE CURRENT FILE

Do you want to switch to the Registry File?

Choice (Y/n):

Switching to the Registry File...

Some commands only work in certain files. For example, the EXPAND command can only be used to look at the index in a file which has an index. Enter "HELP COMMANDS" at an arrow prompt (=>) for a list of commands which can be used in this file.

=> FILE REGISTRY

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'REGISTRY' ENTERED AT 08:48:06 ON 11 SEP 2006

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STRUCTURE FILE UPDATES: 10 SEP 2006 HIGHEST RN 906318-57-8

DICTIONARY FILE UPDATES: 10 SEP 2006 HIGHEST RN 906318-57-8

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TSCA INFORMATION NOW CURRENT THROUGH June 30, 2006

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<http://www.cas.org/ONLINE/UG/regprops.html>

=>

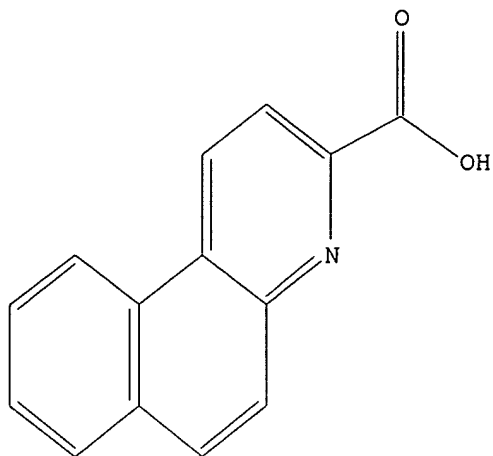
Uploading c:\program files\stnexp\queries\10707994 fig.2

L1 STRUCTURE UPLOADED

=> d 11

L1 HAS NO ANSWERS

L1 STR



Structure attributes must be viewed using STN Express query preparation.

=> s 11 exa full

FULL SEARCH INITIATED 08:49:31 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 11 TO ITERATE

100.0% PROCESSED 11 ITERATIONS

1 ANSWERS

SEARCH TIME: 00.00.01

L2 1 SEA EXA FUL L1

=> s 11 sss full

FULL SEARCH INITIATED 08:49:42 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 240 TO ITERATE

100.0% PROCESSED 240 ITERATIONS

21 ANSWERS

SEARCH TIME: 00.00.01

L3 21 SEA SSS FUL L1

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

223.92

224.13

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FILE COVERS 1907 - 11 Sep 2006 VOL 145 ISS 12

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=> s 13

L4 29 L3

=> s 13/thu

29 L3  
809336 THU/RL  
L5 0 L3/THU  
(L3 (L) THU/RL)

=> s 13/dgn

29 L3  
66042 DGN/RL  
L6 0 L3/DGN  
(L3 (L) DGN/RL)

=> s 14 not py>1999

7119107 PY>1999  
L7 28 L4 NOT PY>1999

=> s tumor? or cancer? or neoplas?

440617 TUMOR?  
305237 CANCER?  
462188 NEOPLAS?  
L8 730006 TUMOR? OR CANCER? OR NEOPLAS?

=> s 18 and 17

L9 0 L8 AND L7

=> d ibib 17

L7 ANSWER 1 OF 28 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1995:413350 CAPLUS

DOCUMENT NUMBER: 122:176988

TITLE: Synthesis of Pyrroloquinolinequinone Analogs.  
Molecular Structure and Moessbauer and Magnetic  
Properties of Their Iron Complexes

AUTHOR(S): Tommasi, L.; Shechter-Barloy, L.; Varech, D.;  
Battioni, J.-P.; Donnadieu, B.; Verelst, M.;  
Bousseksou, A.; Mansuy, D.; Tuchagues, J.-P.

CORPORATE SOURCE: Laboratoire de Chimie de Coordination, CNRS, Toulouse,  
31077, Fr.

SOURCE: Inorganic Chemistry (1995), 34(6), 1514-23

CODEN: INOCAJ; ISSN: 0020-1669

PUBLISHER: American Chemical Society

DOCUMENT TYPE: Journal

LANGUAGE: English

=> d hitstr 17

L7 ANSWER 1 OF 28 CAPLUS COPYRIGHT 2006 ACS on STN

IT 161470-03-7P 161470-04-8P

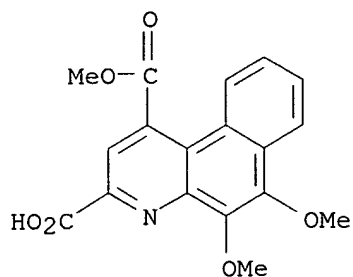
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT  
(Reactant or reagent)

(preparation and complexation with iron)

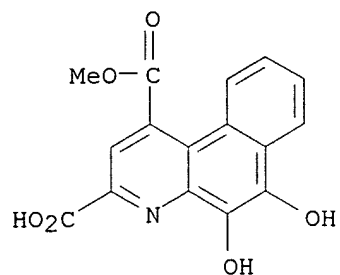
RN 161470-03-7 CAPLUS

CN Benzo[f]quinoline-1,3-dicarboxylic acid, 5,6-dimethoxy-, 1-methyl ester  
(9CI) (CA INDEX NAME)





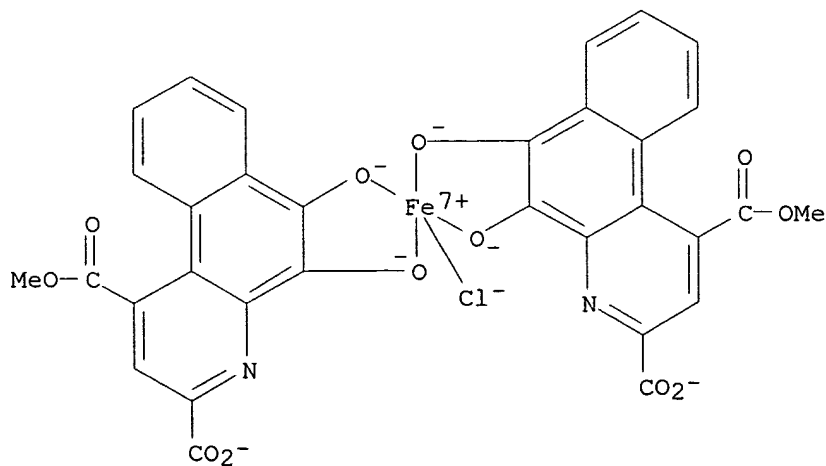
RN 161470-04-8 CAPLUS  
 CN Benzo[f]quinoline-1,3-dicarboxylic acid, 5,6-dihydroxy-, 1-methyl ester  
 (9CI) (CA INDEX NAME)



IT 161470-01-5P  
 RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)  
 (preparation and magnetic moment of)  
 RN 161470-01-5 CAPLUS  
 CN Iron, chlorobis[1-methyl 5,6-dihydroxybenzo[f]quinoline-1,3-  
 dicarboxylato(3-)-O5,O6]-, compd. with N,N-diethylethanamine hydrochloride  
 (1:2) (9CI) (CA INDEX NAME)

CM 1

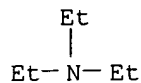
CRN 161470-00-4  
 CMF C32 H16 Cl Fe N2 O12  
 CCI CCS



CM 2

CRN 554-68-7

CMF C6 H15 N . Cl H



● HCl

=> d his

(FILE 'HOME' ENTERED AT 08:47:38 ON 11 SEP 2006)

FILE 'REGISTRY' ENTERED AT 08:48:06 ON 11 SEP 2006

L1 STRUCTURE UPLOADED

L2 1 S L1 EXA FULL

L3 21 S L1 SSS FULL

FILE 'CAPLUS' ENTERED AT 08:49:49 ON 11 SEP 2006

L4 29 S L3

L5 0 S L3/THU

L6 0 S L3/DGN

L7 28 S L4 NOT PY>1999

L8 730006 S TUMOR? OR CANCER? OR NEOPLAS?

L9 0 S L8 AND L7

=> s technium

L10 2 TECHNIUM

=> s Tc99

L11 147 TC99

=> s l11 and l4

L12 0 L11 AND L4

=> s antibod? and l4

470558 ANTIBOD?

L13 0 ANTIBOD? AND L4

=> s radio? and l4

639924 RADIO?

L14 1 RADIO? AND L4

=> d ibib

L14 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2000:608618 CAPLUS

DOCUMENT NUMBER: 133:204807

TITLE: Molecules for the treatment and diagnosis of tumors

INVENTOR(S): Alberto, Roger Ariel; Schibli, Roger

PATENT ASSIGNEE(S): Mallinckrodt Inc., USA

SOURCE: PCT Int. Appl., 28 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000050086	A1	20000831	WO 2000-EP1553	20000224
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
CA 2360419	AA	20000831	CA 2000-2360419	20000224
EP 1154798	A1	20011121	EP 2000-910711	20000224
EP 1154798	B1	20060510		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, CY				
JP 2002537360	T2	20021105	JP 2000-600696	20000224
AT 325624	E	20060615	AT 2000-910711	20000224
US 6844425	B1	20050118	US 2001-913788	20010815
US 2005019254	A1	20050127	US 2004-707994	20040130
PRIORITY APPLN. INFO.:				
			US 1999-121340P	P 19990224
			EP 1999-200754	A 19990312
			WO 2000-EP1553	W 20000224
			US 2001-913788	A1 20010815
REFERENCE COUNT:	10	THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT		

=>

---Logging off of STN---

=>

Executing the logoff script...

=> LOG Y

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	29.21	253.34

STN INTERNATIONAL LOGOFF AT 08:56:34 ON 11 SEP 2006

Connecting via Winsock to STN

Welcome to STN International! Enter x:  
x

Welcome to STN International! Enter x:  
LOGINID:SSSPTA1642BJF

PASSWORD:  
TERMINAL (ENTER 1, 2, 3, OR ?):2

\* \* \* \* \* Welcome to STN International \* \* \* \* \*

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NEWS 3 FEB 27 New STN AnaVist pricing effective March 1, 2006  
NEWS 4 MAY 10 CA/CAPLUS enhanced with 1900-1906 U.S. patent records  
NEWS 5 MAY 11 KOREAPAT updates resume  
NEWS 6 MAY 19 Derwent World Patents Index to be reloaded and enhanced  
NEWS 7 MAY 30 IPC 8 Rolled-up Core codes added to CA/CAPLUS and  
USPATFULL/USPAT2  
NEWS 8 MAY 30 The F-Term thesaurus is now available in CA/CAPLUS  
NEWS 9 JUN 02 The first reclassification of IPC codes now complete in  
INPADOC  
NEWS 10 JUN 26 TULSA/TULSA2 reloaded and enhanced with new search and  
and display fields  
NEWS 11 JUN 28 Price changes in full-text patent databases EPFULL and PCTFULL  
NEWS 12 JUL 11 CHEMSAFE reloaded and enhanced  
NEWS 13 JUL 14 FSTA enhanced with Japanese patents  
NEWS 14 JUL 19 Coverage of Research Disclosure reinstated in DWPI  
NEWS 15 AUG 09 INSPEC enhanced with 1898-1968 archive  
NEWS 16 AUG 28 ADISCTI Reloaded and Enhanced  
NEWS 17 AUG 30 CA(SM)/CAPLUS(SM) Austrian patent law changes  
NEWS 18 SEP 11 CA/CAPLUS enhanced with more pre-1907 records  
  
NEWS EXPRESS JUNE 30 CURRENT WINDOWS VERSION IS V8.01b, CURRENT  
MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),  
AND CURRENT DISCOVER FILE IS DATED 26 JUNE 2006.  
  
NEWS HOURS STN Operating Hours Plus Help Desk Availability  
NEWS LOGIN Welcome Banner and News Items  
NEWS IPC8 For general information regarding STN implementation of IPC 8  
NEWS X25 X.25 communication option no longer available

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FILE 'HOME' ENTERED AT 11:15:54 ON 11 SEP 2006

=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'REGISTRY' ENTERED AT 11:16:16 ON 11 SEP 2006

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DICTIONARY FILE UPDATES: 10 SEP 2006 HIGHEST RN 906318-57-8

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experimental property data in the original document. For information  
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=>

Uploading c:\program files\stnexp\queries\10707994 fig.2

L1 STRUCTURE UPLOADED

=>

---Logging off of STN---

=>

Executing the logoff script...

=> LOG Y

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.44	0.65

STN INTERNATIONAL LOGOFF AT 11:16:43 ON 11 SEP 2006

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Welcome to STN International! Enter x:x

LOGINID:SSSPTA1642BJF

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

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NEWS	1	Web Page URLs for STN Seminar Schedule - N. America
NEWS	2	"Ask CAS" for self-help around the clock
NEWS	3	FEB 27 New STN AnaVist pricing effective March 1, 2006
NEWS	4	MAY 10 CA/CAPLUS enhanced with 1900-1906 U.S. patent records
NEWS	5	MAY 11 KOREAPAT updates resume
NEWS	6	MAY 19 Derwent World Patents Index to be reloaded and enhanced
NEWS	7	MAY 30 IPC 8 Rolled-up Core codes added to CA/CAPLUS and USPATFULL/USPAT2
NEWS	8	MAY 30 The F-Term thesaurus is now available in CA/CAPLUS
NEWS	9	JUN 02 The first reclassification of IPC codes now complete in

INPADOC

NEWS 10	JUN 26	TULSA/TULSA2 reloaded and enhanced with new search and display fields
NEWS 11	JUN 28	Price changes in full-text patent databases EPFULL and PCTFULL
NEWS 12	JUL 11	CHEMSAFE reloaded and enhanced
NEWS 13	JUL 14	FSTA enhanced with Japanese patents
NEWS 14	JUL 19	Coverage of Research Disclosure reinstated in DWPI
NEWS 15	AUG 09	INSPEC enhanced with 1898-1968 archive
NEWS 16	AUG 28	ADISCTI Reloaded and Enhanced
NEWS 17	AUG 30	CA(SM)/CAplus(SM) Austrian patent law changes
NEWS 18	SEP 11	CA/CAplus enhanced with more pre-1907 records

NEWS EXPRESS JUNE 30 CURRENT WINDOWS VERSION IS V8.01b, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 26 JUNE 2006.

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NEWS LOGIN	Welcome Banner and News Items
NEWS IPC8	For general information regarding STN implementation of IPC 8
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FILE 'HOME' ENTERED AT 11:18:15 ON 11 SEP 2006

=> file reg		
COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'REGISTRY' ENTERED AT 11:18:27 ON 11 SEP 2006  
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=>

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L1           STRUCTURE UPLOADED

=> s ll exa full

FULL SEARCH INITIATED 11:18:47 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED -           22 TO ITERATE

100.0% PROCESSED           22 ITERATIONS

1 ANSWERS

SEARCH TIME: 00.00.01

L2           1 SEA EXA FUL L1

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

56.54

56.75

FILE 'CAPLUS' ENTERED AT 11:18:51 ON 11 SEP 2006

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FILE COVERS 1907 - 11 Sep 2006 VOL 145 ISS 12

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=> s ll

REGISTRY INITIATED

Substance data SEARCH and crossover from CAS REGISTRY in progress...

Use DISPLAY HITSTR (or FHITSTR) to directly view retrieved structures.

SAMPLE SEARCH INITIATED 11:18:54 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED -           74 TO ITERATE

100.0% PROCESSED           74 ITERATIONS

2 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:   ONLINE   \*\*COMPLETE\*\*

BATCH   \*\*COMPLETE\*\*

PROJECTED ITERATIONS:           964 TO       1996

PROJECTED ANSWERS:               2 TO       124

L3           2 SEA SSS SAM L1

L4 6 L3

=> d ibib 1-6

L4 ANSWER 1 OF 6 CAPLUS COPYRIGHT 2006 ACS on STN  
ACCESSION NUMBER: 1980:171538 CAPLUS  
DOCUMENT NUMBER: 92:171538  
TITLE: Reductive electrochemical carboxylation of nitrogen heterocycles  
AUTHOR(S): Hess, Ulrich; Fuchs, Peter; Jacob, Elke; Lund, Henning  
CORPORATE SOURCE: Sekt. Chem., Humboldt-Univ., Berlin, DDR-104, Ger.  
Dem. Rep.  
SOURCE: Zeitschrift fuer Chemie (1980), 20(2), 64-5  
CODEN: ZECEAL; ISSN: 0044-2402  
DOCUMENT TYPE: Journal  
LANGUAGE: German

L4 ANSWER 2 OF 6 CAPLUS COPYRIGHT 2006 ACS on STN  
ACCESSION NUMBER: 1978:6691 CAPLUS  
DOCUMENT NUMBER: 88:6691  
TITLE: Synthesis of 3-carbethoxy-8-methoxybenzo[f]isoquinoline as a key intermediate in the synthesis of 14-aza-13-norequilenin methyl ether  
AUTHOR(S): Mahajan, R. K.; Singh, Manmohan  
CORPORATE SOURCE: Dep. Chem., Himachal Pradesh Univ., Simla, India  
SOURCE: Indian Journal of Chemistry, Section B: Organic Chemistry Including Medicinal Chemistry (1977), 15B(5), 491-2  
CODEN: IJSBDB; ISSN: 0376-4699  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
OTHER SOURCE(S): CASREACT 88:6691

L4 ANSWER 3 OF 6 CAPLUS COPYRIGHT 2006 ACS on STN  
ACCESSION NUMBER: 1975:593579 CAPLUS  
DOCUMENT NUMBER: 83:193579  
TITLE: Total synthesis of 13- and 14-azaequilenines by heterocycloaddition  
AUTHOR(S): Zunnebeld, W. A.; Speckamp, W. N.  
CORPORATE SOURCE: Lab. Org. Chem., Univ. Amsterdam, Amsterdam, Neth.  
SOURCE: Tetrahedron (1975), 31(15), 1717-21  
CODEN: TETRAB; ISSN: 0040-4020  
DOCUMENT TYPE: Journal  
LANGUAGE: English

L4 ANSWER 4 OF 6 CAPLUS COPYRIGHT 2006 ACS on STN  
ACCESSION NUMBER: 1970:473505 CAPLUS  
DOCUMENT NUMBER: 73:73505  
TITLE: Androgenic, antiandrogenic, and anabolic activity of azasteroids on immature castrated rats  
AUTHOR(S): Saksena, S. K.; Chaudhury, Ranjit R.  
CORPORATE SOURCE: Dep. Pharmacol., Postgrad. Inst. Med. Educ. Res., Chandigarh, India  
SOURCE: Indian Journal of Medical Research (1913-1988) (1970), 58(4), 513-18  
CODEN: IJMRAQ; ISSN: 0019-5340  
DOCUMENT TYPE: Journal  
LANGUAGE: English

L4 ANSWER 5 OF 6 CAPLUS COPYRIGHT 2006 ACS on STN  
ACCESSION NUMBER: 1966:75962 CAPLUS



DOCUMENT NUMBER: 64:75962  
ORIGINAL REFERENCE NO.: 64:14243c-g  
TITLE: Aza steroids  
INVENTOR(S): R. H. Jones, Emrys  
PATENT ASSIGNEE(S): Imperial Chemical Industries Ltd.  
SOURCE: 4 pp.  
DOCUMENT TYPE: Patent  
LANGUAGE: Unavailable  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
GB 1017700		19660119	GB	19630515

L4 ANSWER 6 OF 6 CAPLUS COPYRIGHT 2006 ACS on STN  
ACCESSION NUMBER: 1965:454552 CAPLUS  
DOCUMENT NUMBER: 63:54552  
ORIGINAL REFERENCE NO.: 63:9912a-e  
TITLE: Reaction of  $\alpha$ -halo esters on  $\alpha$ -amino  
ethers and  $\alpha$ -amino nitriles in the presence of  
zinc or magnesium  
AUTHOR(S): Canceill, Josette; Jacques, Jean  
CORPORATE SOURCE: College de France, Paris  
SOURCE: Bulletin de la Societe Chimique de France (1965), (4),  
903-9  
CODEN: BSCFAS; ISSN: 0037-8968  
DOCUMENT TYPE: Journal  
LANGUAGE: French  
OTHER SOURCE(S): CASREACT 63:54552

=> s 13

L5 6 L3

=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	7.30	64.95

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DICTIONARY FILE UPDATES: 10 SEP 2006 HIGHEST RN 906318-57-8

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experimental property data in the original document. For information  
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<http://www.cas.org/ONLINE/UG/regprops.html>

=> s l1 sss full  
FULL SEARCH INITIATED 11:19:49 FILE 'REGISTRY'  
FULL SCREEN SEARCH COMPLETED - 1257 TO ITERATE

100.0% PROCESSED 1257 ITERATIONS 37 ANSWERS  
SEARCH TIME: 00.00.01

L6 37 SEA SSS FUL L1

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	166.94	231.89

FILE 'CAPLUS' ENTERED AT 11:19:53 ON 11 SEP 2006  
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FILE COVERS 1907 - 11 Sep 2006 VOL 145 ISS 12  
FILE LAST UPDATED: 10 Sep 2006 (20060910/ED)

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<http://www.cas.org/infopolicy.html>

=> s l6  
L7 37 L6

=> s cancer? or tumor? or neoplas?  
305237 CANCER?  
440617 TUMOR?  
462188 NEOPLAS?  
L8 730006 CANCER? OR TUMOR? OR NEOPLAS?

=> s l8 and l7  
L9 1 L8 AND L7

=> d ibib

L9 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2006 ACS on STN  
ACCESSION NUMBER: 2000:608618 CAPLUS  
DOCUMENT NUMBER: 133:204807  
TITLE: Molecules for the treatment and diagnosis of tumors  
INVENTOR(S): Alberto, Roger Ariel; Schibli, Roger  
PATENT ASSIGNEE(S): Mallinckrodt Inc., USA  
SOURCE: PCT Int. Appl., 28 pp.  
CODEN: PIXXD2  
DOCUMENT TYPE: Patent  
LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000050086	A1	20000831	WO 2000-EP1553	20000224
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
CA 2360419	AA	20000831	CA 2000-2360419	20000224
EP 1154798	A1	20011121	EP 2000-910711	20000224
EP 1154798	B1	20060510		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, CY				
JP 2002537360	T2	20021105	JP 2000-600696	20000224
AT 325624	E	20060615	AT 2000-910711	20000224
US 6844425	B1	20050118	US 2001-913788	20010815
US 2005019254	A1	20050127	US 2004-707994	20040130
PRIORITY APPLN. INFO.:			US 1999-121340P	P 19990224
			EP 1999-200754	A 19990312
			WO 2000-EP1553	W 20000224
			US 2001-913788	A1 20010815
REFERENCE COUNT:	10	THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT		

=> s 17 and metal  
1675553 METAL  
846029 METALS  
2032939 METAL  
(METAL OR METALS)  
L10 10 L7 AND METAL

=> d ibib 1-5

L10 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2006 ACS on STN  
ACCESSION NUMBER: 2000:608618 CAPLUS  
DOCUMENT NUMBER: 133:204807  
TITLE: Molecules for the treatment and diagnosis of tumors  
INVENTOR(S): Alberto, Roger Ariel; Schibli, Roger  
PATENT ASSIGNEE(S): Mallinckrodt Inc., USA  
SOURCE: PCT Int. Appl., 28 pp.  
CODEN: PIXXD2  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000050086	A1	20000831	WO 2000-EP1553	20000224
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				

CA 2360419	AA	20000831	CA 2000-2360419	20000224
EP 1154798	A1	20011121	EP 2000-910711	20000224
EP 1154798	B1	20060510		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, CY				
JP 2002537360	T2	20021105	JP 2000-600696	20000224
AT 325624	E	20060615	AT 2000-910711	20000224
US 6844425	B1	20050118	US 2001-913788	20010815
US 2005019254	A1	20050127	US 2004-707994	20040130
PRIORITY APPLN. INFO.:			US 1999-121340P	P 19990224
			EP 1999-200754	A 19990312
			WO 2000-EP1553	W 20000224
			US 2001-913788	A1 20010815

REFERENCE COUNT: 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 2 OF 10 CAPLUS COPYRIGHT 2006 ACS on STN  
 ACCESSION NUMBER: 1995:413350 CAPLUS  
 DOCUMENT NUMBER: 122:176988  
 TITLE: Synthesis of Pyrroloquinolinequinone Analogs.  
 Molecular Structure and Moessbauer and Magnetic  
 Properties of Their Iron Complexes  
 AUTHOR(S): Tommasi, L.; Shechter-Barloy, L.; Varech, D.;  
 Battioni, J.-P.; Donnadieu, B.; Verelst, M.;  
 Bousseksou, A.; Mansuy, D.; Tuchagues, J.-P.  
 CORPORATE SOURCE: Laboratoire de Chimie de Coordination, CNRS, Toulouse,  
 31077, Fr.  
 SOURCE: Inorganic Chemistry (1995), 34(6), 1514-23  
 CODEN: INOCAJ; ISSN: 0020-1669  
 PUBLISHER: American Chemical Society  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English

L10 ANSWER 3 OF 10 CAPLUS COPYRIGHT 2006 ACS on STN  
 ACCESSION NUMBER: 1957:900 CAPLUS  
 DOCUMENT NUMBER: 51:900  
 ORIGINAL REFERENCE NO.: 51:125h-i,126a  
 TITLE: 5,6-Benzoquinaldinic acid as an analytical reagent. I.  
 Determination of thorium and zirconium  
 AUTHOR(S): Majumdar, Anil Kumar; Banerjee, Siddheswar  
 CORPORATE SOURCE: Coll. Eng. Tech., Bengal, Calcutta  
 SOURCE: Analytica Chimica Acta (1956), 14, 306-10  
 CODEN: ACACAM; ISSN: 0003-2670  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English

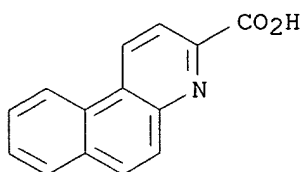
L10 ANSWER 4 OF 10 CAPLUS COPYRIGHT 2006 ACS on STN  
 ACCESSION NUMBER: 1955:83186 CAPLUS  
 DOCUMENT NUMBER: 49:83186  
 ORIGINAL REFERENCE NO.: 49:15612c-d  
 TITLE: 5,6-Benzoquinaldinic acid as an analytical reagent. V.  
 Separation of cadmium from different elements  
 AUTHOR(S): Majumdar, Anil Kumar; De, Anil Kumar  
 CORPORATE SOURCE: Coll. Eng. Technol., Bengal, Calcutta  
 SOURCE: J. Indian Chem. Soc. (1955), 32, 85-8  
 DOCUMENT TYPE: Journal  
 LANGUAGE: Unavailable

L10 ANSWER 5 OF 10 CAPLUS COPYRIGHT 2006 ACS on STN  
 ACCESSION NUMBER: 1954:31977 CAPLUS  
 DOCUMENT NUMBER: 48:31977  
 ORIGINAL REFERENCE NO.: 48:5713b-e  
 TITLE: Diphenylcarbazone as a colorimetric reagent for  
 bivalent chromium

AUTHOR(S): Bose, Monisha  
 CORPORATE SOURCE: Univ. Coll. Sci., Calcutta  
 SOURCE: Science and Culture (1953), 19, 213-14  
 CODEN: SCINAL; ISSN: 0036-8156  
 DOCUMENT TYPE: Journal  
 LANGUAGE: Unavailable

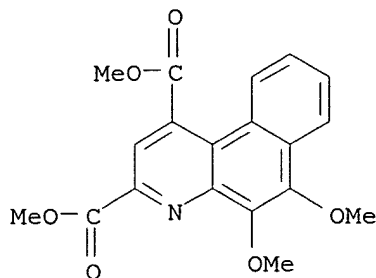
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L10 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2006 ACS on STN  
 IT 289661-18-3P  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT  
 (Reactant or reagent)  
 (radiolabeled complexes for treatment and diagnosis of tumors)  
 RN 289661-18-3 CAPLUS  
 CN Benzo[f]quinoline-3-carboxylic acid, hydrobromide (9CI) (CA INDEX NAME)

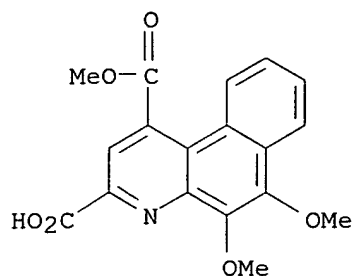


● HBr

L10 ANSWER 2 OF 10 CAPLUS COPYRIGHT 2006 ACS on STN  
 IT 161470-07-1P, 5,6-Dimethoxy-1,3-bis(methoxycarbonyl)benzo[f]quinoline  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT  
 (Reactant or reagent)  
 (preparation and base hydrolysis of)  
 RN 161470-07-1 CAPLUS  
 CN Benzo[f]quinoline-1,3-dicarboxylic acid, 5,6-dimethoxy-, dimethyl ester  
 (9CI) (CA INDEX NAME)

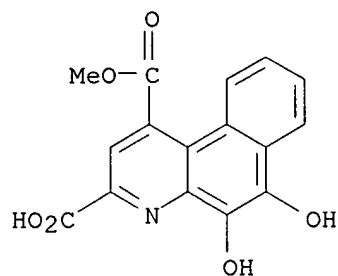


IT 161470-03-7P 161470-04-8P  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT  
 (Reactant or reagent)  
 (preparation and complexation with iron)  
 RN 161470-03-7 CAPLUS  
 CN Benzo[f]quinoline-1,3-dicarboxylic acid, 5,6-dimethoxy-, 1-methyl ester  
 (9CI) (CA INDEX NAME)



RN 161470-04-8 CAPLUS

CN Benzo[f]quinoline-1,3-dicarboxylic acid, 5,6-dihydroxy-, 1-methyl ester  
(9CI) (CA INDEX NAME)



IT 161470-01-5P

RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)  
(preparation and magnetic moment of)

RN 161470-01-5 CAPLUS

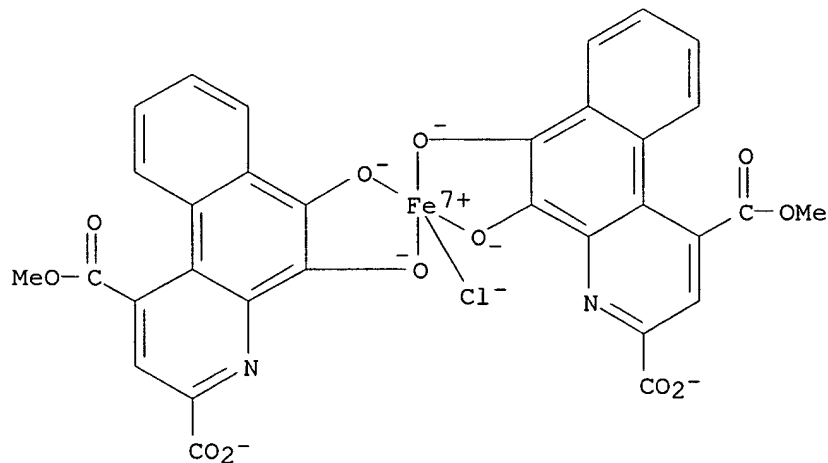
CN Iron, chlorobis[1-methyl 5,6-dihydroxybenzo[f]quinoline-1,3-  
dicarboxylato(3-)-O5,O6]-, compd. with N,N-diethylethanamine hydrochloride  
(1:2) (9CI) (CA INDEX NAME)

CM 1

CRN 161470-00-4

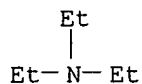
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CCI CCS



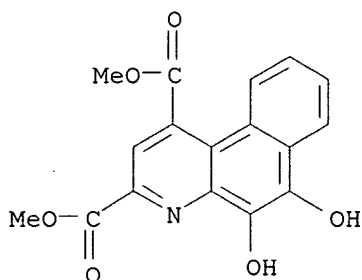
CM 2

CRN 554-68-7  
CMF C6 H15 N . Cl H

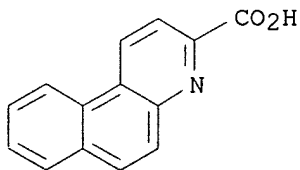


● HCl

IT 142422-23-9P  
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT  
(Reactant or reagent)  
(preparation, protection, oxidation, base hydrolysis, and complexation with  
iron)  
RN 142422-23-9 CAPLUS  
CN Benzo[f]quinoline-1,3-dicarboxylic acid, 5,6-dihydroxy-, dimethyl ester  
(9CI) (CA INDEX NAME)

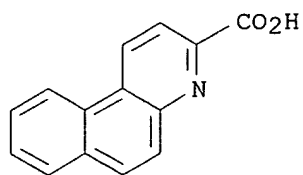


L10 ANSWER 3 OF 10 CAPLUS COPYRIGHT 2006 ACS on STN  
IT 65714-31-0, Benzo[f]quinoline-3-carboxylic acid  
(formed therefrom, in titanium determination)  
RN 65714-31-0 CAPLUS  
CN Benzo[f]quinoline-3-carboxylic acid (6CI, 7CI, 9CI) (CA INDEX NAME)

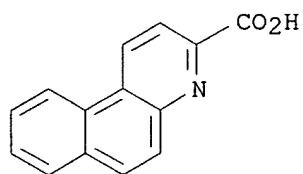


(in analysis of Th and Zr, and compds. formed therefrom  
(in titanium detn., and Ti deriv. formed therefrom

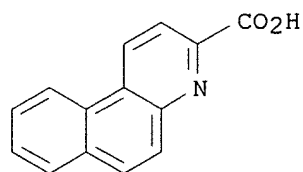
L10 ANSWER 4 OF 10 CAPLUS COPYRIGHT 2006 ACS on STN  
IT 65714-31-0, Benzo[f]quinoline-3-carboxylic acid  
(in cadmium determination)  
RN 65714-31-0 CAPLUS  
CN Benzo[f]quinoline-3-carboxylic acid (6CI, 7CI, 9CI) (CA INDEX NAME)



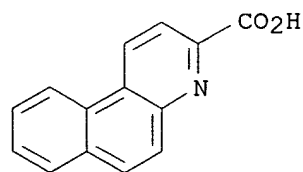
L10 ANSWER 5 OF 10 CAPLUS COPYRIGHT 2006 ACS on STN  
 IT 65714-31-0, Benzo[f]quinoline-3-carboxylic acid  
 (in analysis)  
 RN 65714-31-0 CAPLUS  
 CN Benzo[f]quinoline-3-carboxylic acid (6CI, 7CI, 9CI) (CA INDEX NAME)



L10 ANSWER 6 OF 10 CAPLUS COPYRIGHT 2006 ACS on STN  
 IT 65714-31-0, Benzo[f]quinoline-3-carboxylic acid  
 (in analysis)  
 RN 65714-31-0 CAPLUS  
 CN Benzo[f]quinoline-3-carboxylic acid (6CI, 7CI, 9CI) (CA INDEX NAME)

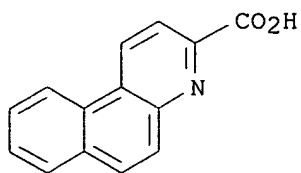


L10 ANSWER 7 OF 10 CAPLUS COPYRIGHT 2006 ACS on STN  
 IT 65714-31-0, Benzo[f]quinoline-3-carboxylic acid  
 (and salts, in analytical chemistry)  
 RN 65714-31-0 CAPLUS  
 CN Benzo[f]quinoline-3-carboxylic acid (6CI, 7CI, 9CI) (CA INDEX NAME)

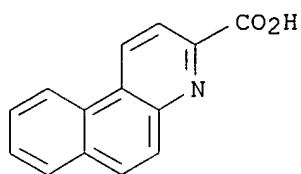


L10 ANSWER 8 OF 10 CAPLUS COPYRIGHT 2006 ACS on STN  
 IT 65714-31-0, Benzo[f]quinoline-3-carboxylic acid  
 (in cadmium determination)  
 RN 65714-31-0 CAPLUS  
 CN Benzo[f]quinoline-3-carboxylic acid (6CI, 7CI, 9CI) (CA INDEX NAME)

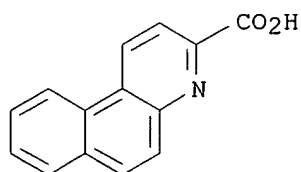




L10 ANSWER 9 OF 10 CAPLUS COPYRIGHT 2006 ACS on STN  
 IT 65714-31-0, 5,6-Benzoquinaldic acid  
 (in analysis)  
 RN 65714-31-0 CAPLUS  
 CN Benzo[f]quinoline-3-carboxylic acid (6CI, 7CI, 9CI) (CA INDEX NAME)



L10 ANSWER 10 OF 10 CAPLUS COPYRIGHT 2006 ACS on STN  
 IT 65714-31-0, 5,6-Benzoquinoline-3-carboxylic acid  
 (preparation of)  
 RN 65714-31-0 CAPLUS  
 CN Benzo[f]quinoline-3-carboxylic acid (6CI, 7CI, 9CI) (CA INDEX NAME)

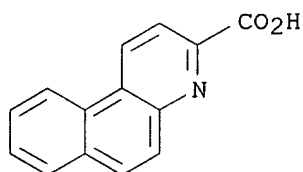


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L10 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2006 ACS on STN  
 ACCESSION NUMBER: 2000:608618 CAPLUS  
 DOCUMENT NUMBER: 133:204807  
 TITLE: Molecules for the treatment and diagnosis of tumors  
 INVENTOR(S): Alberto, Roger Ariel; Schibli, Roger  
 PATENT ASSIGNEE(S): Mallinckrodt Inc., USA  
 SOURCE: PCT Int. Appl., 28 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000050086	A1	20000831	WO 2000-EP1553	20000224
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA,				

MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI,  
 SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW  
 RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE,  
 DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF,  
 CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG  
 CA 2360419 AA 20000831 CA 2000-2360419 20000224  
 EP 1154798 A1 20011121 EP 2000-910711 20000224  
 EP 1154798 B1 20060510  
 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,  
 IE, SI, LT, LV, FI, RO, CY  
 JP 2002537360 T2 20021105 JP 2000-600696 20000224  
 AT 325624 E 20060615 AT 2000-910711 20000224  
 US 6844425 B1 20050118 US 2001-913788 20010815  
 US 2005019254 A1 20050127 US 2004-707994 20040130  
 PRIORITY APPLN. INFO.: US 1999-121340P P 19990224  
 EP 1999-200754 A 19990312  
 WO 2000-EP1553 W 20000224  
 US 2001-913788 A1 20010815  
 AB The invention relates to mols. for treatment and diagnosis of tumors and  
 malignancies, comprising a tumor seeking biomol., which is coupled to an  
 intercalating moiety, which is capable of complexing a metal,  
 which metal is preferably a radioactive metal, to the  
 use of these mols. and to therapeutic and diagnostic compns. containing them.  
 IT 289661-18-3P  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT  
 (Reactant or reagent)  
 (radiolabeled complexes for treatment and diagnosis of tumors)  
 RN 289661-18-3 CAPLUS  
 CN Benzo[f]quinoline-3-carboxylic acid, hydrobromide (9CI) (CA INDEX NAME)



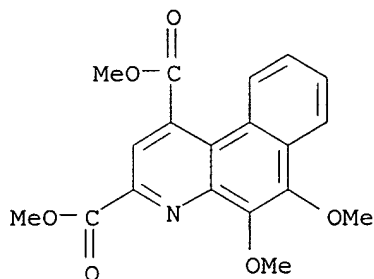
● HBr

REFERENCE COUNT: 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS  
 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

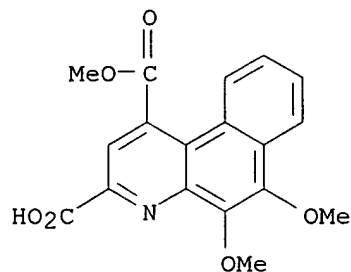
L10 ANSWER 2 OF 10 CAPLUS COPYRIGHT 2006 ACS on STN  
 ACCESSION NUMBER: 1995:413350 CAPLUS  
 DOCUMENT NUMBER: 122:176988  
 TITLE: Synthesis of Pyrroloquinolinequinone Analogs.  
 Molecular Structure and Moessbauer and Magnetic  
 Properties of Their Iron Complexes  
 AUTHOR(S): Tommasi, L.; Shechter-Barloy, L.; Varech, D.;  
 Battioni, J.-P.; Donnadieu, B.; Verelst, M.;  
 Bousseksou, A.; Mansuy, D.; Tuchagues, J.-P.  
 CORPORATE SOURCE: Laboratoire de Chimie de Coordination, CNRS, Toulouse,  
 31077, Fr.  
 SOURCE: Inorganic Chemistry (1995), 34(6), 1514-23  
 CODEN: INOCAJ; ISSN: 0020-1669  
 PUBLISHER: American Chemical Society  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 AB Four complexes, FeII(L2)2 (1), [FeII(L2)(Cl)(MeOH)2]2 (2), FeII(L3H2)2  
 (3), and FeIII(L4)2Cl·2(Et3N·HCl)·0.5MeCN (4),

wherein L2H, L3H3, and L4H are analogs of pyrroloquinolinequinone or methoxatin (PQQ), were synthesized and studied. 2 Crystallizes in the triclinic system, space group P.hivin.1, Z = 2, a 9.588(6), b 10.011(7), c 11.770(5) Å,  $\alpha$  96.66(5),  $\beta$  99.21(5), and  $\gamma$  107.93(7)°. The structure was solved by direct methods and refined to conventional agreement indexes R = 0.054 and Rw = 0.063 with 2683 unique reflections for which I > 3 $\sigma$ (I). The mol. structure of 2 consists of discrete [FeII(L2)(Cl)(MeOH)2] mols. associated into dimeric units through the carboxylate function of L2. The carboxylate O atoms of the two mols. constituting the dimeric unit bridge the metal centers affording a Fe...Fe' separation of 3.645(4) Å. The distorted coordination octahedron around each Fe(II) includes the pyridine N and carboxylate O atoms of L2, the chloride anion, and the O atom of two MeOH mols. The synthesis and IR, Moessbauer, and magnetic susceptibility studies of 1-4 evidence the variety of structural types and nuclearities obtained for Fe complexes of PQQ analogs, depending upon the stoichiometry and pH of the reactions. Complexes 1 and 3 (mononuclear) and 4 (polynuclear) were characterized by the 1:2 Fe:L ratio while complex 2 (dimer) was characterized by the 1:1 Fe:L ratio. Among the analogs used, those of the reduced form of PQQ chelate Fe through their tridentate site while chelation occurs preferentially at the quinonic site for the analog of the oxidized form of PQQ.

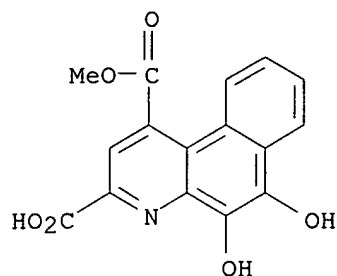
IT 161470-07-1P, 5,6-Dimethoxy-1,3-bis(methoxycarbonyl)benzo[f]quinoline  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT  
 (Reactant or reagent)  
 (preparation and base hydrolysis of)  
 RN 161470-07-1 CAPLUS  
 CN Benzo[f]quinoline-1,3-dicarboxylic acid, 5,6-dimethoxy-, dimethyl ester  
 (9CI) (CA INDEX NAME)



IT 161470-03-7P 161470-04-8P  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT  
 (Reactant or reagent)  
 (preparation and complexation with iron)  
 RN 161470-03-7 CAPLUS  
 CN Benzo[f]quinoline-1,3-dicarboxylic acid, 5,6-dimethoxy-, 1-methyl ester  
 (9CI) (CA INDEX NAME)



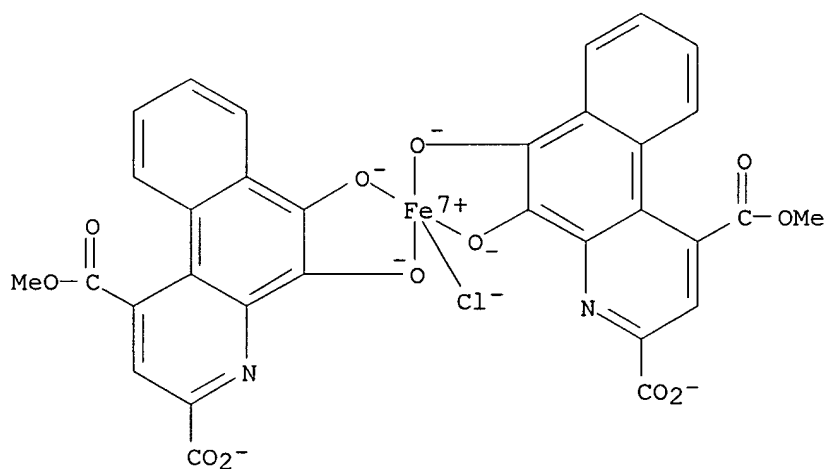
RN 161470-04-8 CAPLUS  
 CN Benzo[f]quinoline-1,3-dicarboxylic acid, 5,6-dihydroxy-, 1-methyl ester  
 (9CI) (CA INDEX NAME)



IT 161470-01-5P  
 RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)  
 (preparation and magnetic moment of)  
 RN 161470-01-5 CAPLUS  
 CN Iron, chlorobis[1-methyl 5,6-dihydroxybenzo[f]quinoline-1,3-  
 dicarboxylato(3-)-O5,O6]-, compd. with N,N-diethylethanamine hydrochloride  
 (1:2) (9CI) (CA INDEX NAME)

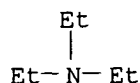
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 CCI CCS



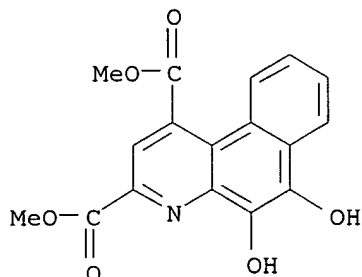
CM 2

CRN 554-68-7  
 CMF C6 H15 N . Cl H



● HCl

IT 142422-23-9P  
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT  
 (Reactant or reagent)  
 (preparation, protection, oxidation, base hydrolysis, and complexation with  
 iron)  
 RN 142422-23-9 CAPLUS  
 CN Benzo[f]quinoline-1,3-dicarboxylic acid, 5,6-dihydroxy-, dimethyl ester  
 (9CI) (CA INDEX NAME)



L10 ANSWER 3 OF 10 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1957:900 CAPLUS

DOCUMENT NUMBER: 51:900

ORIGINAL REFERENCE NO.: 51:125h-i,126a

TITLE: 5,6-Benzoquinolaldinic acid as an analytical reagent. I.  
 Determination of thorium and zirconium

AUTHOR(S): Majumdar, Anil Kumar; Banerjee, Siddheswar

CORPORATE SOURCE: Coll. Eng. Tech., Bengal, Calcutta

SOURCE: Analytica Chimica Acta (1956), 14, 306-10

CODEN: ACACAM; ISSN: 0003-2670

DOCUMENT TYPE: Journal

LANGUAGE: English

AB cf. C.A. 48, 4358i, 5713b. 5,6-Benzoquinolaldinic acid (I) ppts. Th  
 quantitatively at pH 3.0 or greater to form the anhydrous compound  
 Th(Cl<sub>4</sub>H<sub>8</sub>O<sub>2</sub>N)<sub>4</sub> which can be weighed as such after drying at 110° or  
 after washing with alc. and acetone, or which can be ignited to the oxide.  
 The precipitation of Zr with I is quant. at pH values of 1.8 or greater, but  
 the

precipitate varies in composition, hence must be ignited to the oxide.

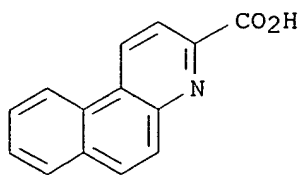
Separation of Th

and Zr from the rare earths is accomplished by simple precipitation from acid  
 solution The tendency of Mg and the alkaline earths to coppt. is countered by  
 the addition of NH<sub>4</sub>Cl.

IT 65714-31-0, Benzo[f]quinoline-3-carboxylic acid  
 (formed therefrom, in titanium determination)

RN 65714-31-0 CAPLUS

CN Benzo[f]quinoline-3-carboxylic acid (6CI, 7CI, 9CI) (CA INDEX NAME)



(in analysis of Th and Zr, and compds. formed therefrom  
(in titanium detn., and Ti deriv. formed therefrom

L10 ANSWER 4 OF 10 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1955:83186 CAPLUS

DOCUMENT NUMBER: 49:83186

ORIGINAL REFERENCE NO.: 49:15612c-d

TITLE: 5,6-Benzoquinolindine-3-carboxylic acid as an analytical reagent. V.  
Separation of cadmium from different elements

AUTHOR(S): Majumdar, Anil Kumar; De, Anil Kumar

CORPORATE SOURCE: Coll. Eng. Technol., Bengal, Calcutta

SOURCE: J. Indian Chem. Soc. (1955), 32, 85-8

DOCUMENT TYPE: Journal

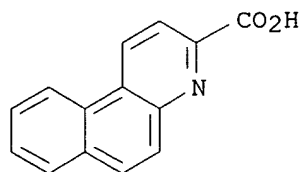
LANGUAGE: Unavailable

AB cf. C.A. 48, 4358i. The reagent 5,6-benzoquinolindine-3-carboxylic acid can be used for the estimation of Cd and for its separation from tartrate, phosphate, arsenate, vanadate, tungstate, molybdate, alkaline earths, Ag, Hg, Pb, Be, Th, Zr, U, rare earths, Fe, Al, Cr, Ti, Bi, Sb, and Sn either by the proper control of pH or by the use of complexing agents, such as thiourea and tartrate.

IT 65714-31-0, Benzo[f]quinoline-3-carboxylic acid  
(in cadmium determination)

RN 65714-31-0 CAPLUS

CN Benzo[f]quinoline-3-carboxylic acid (6CI, 7CI, 9CI) (CA INDEX NAME)



L10 ANSWER 5 OF 10 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1954:31977 CAPLUS

DOCUMENT NUMBER: 48:31977

ORIGINAL REFERENCE NO.: 48:5713b-e

TITLE: Diphenylcarbazone as a colorimetric reagent for  
bivalent chromium

AUTHOR(S): Bose, Monisha

CORPORATE SOURCE: Univ. Coll. Sci., Calcutta

SOURCE: Science and Culture (1953), 19, 213-14

CODEN: SCINAL; ISSN: 0036-8156

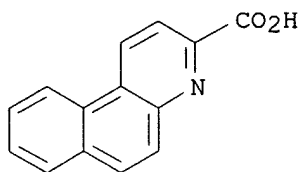
DOCUMENT TYPE: Journal

LANGUAGE: Unavailable

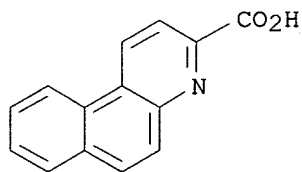
AB Diphenylcarbazone gives an intense red-violet coloration with Cr++ (C.A. 47, 10495a). This reaction is suitable for detecting and estimating Cr++. The addition of Cr++ to an excess of carbazone solution produces a deep red-violet coloration due to the formation of a chromous-carbazone inner-metallic complex. The complex has an absorption maximum at 540 mμ. The acidity of the solution influences the intensity of the color, but as the interference caused by many cations can be minimized by mineral acids in excess, it is necessary to have the solution 0.1N in acid in the presence of excess of the

reagent. The only interfering element is Hg, which gives a blue-violet coloration. This can be greatly reduced by the addition of NaCl. Chromate or any other oxidizing agent must be absent. As little as 0.1  $\gamma$  per cc. can be detected this way. The chromous-carbazone system can also be used for the determination of Cr<sup>++</sup>. Since the presence of air interferes with the intensity of color, the exclusion of air during addition of CrSO<sub>4</sub> and subsequent color development is imperative. The color is stable for several hrs. The optical ds., however, should be measured almost immediately.

IT 65714-31-0, Benzo[f]quinoline-3-carboxylic acid  
(in analysis)  
RN 65714-31-0 CAPLUS  
CN Benzo[f]quinoline-3-carboxylic acid (6CI, 7CI, 9CI) (CA INDEX NAME)



L10 ANSWER 6 OF 10 CAPLUS COPYRIGHT 2006 ACS on STN  
ACCESSION NUMBER: 1954:31976 CAPLUS  
DOCUMENT NUMBER: 48:31976  
ORIGINAL REFERENCE NO.: 48:5713b  
TITLE: 5,6-Benzoquinaldinic acid as an analytical reagent  
AUTHOR(S): Majumdar, Anil Kumar  
CORPORATE SOURCE: Coll. Eng. Technol., Calcutta  
SOURCE: Science and Culture (1953), 19, 265-6  
CODEN: SCINAL; ISSN: 0036-8156  
DOCUMENT TYPE: Journal  
LANGUAGE: Unavailable  
AB cf. C.A. 47, 2628c, 10398f; 48, 1195d. The reagent is used to detect Mg, Hg, and other elements.  
IT 65714-31-0, Benzo[f]quinoline-3-carboxylic acid  
(in analysis)  
RN 65714-31-0 CAPLUS  
CN Benzo[f]quinoline-3-carboxylic acid (6CI, 7CI, 9CI) (CA INDEX NAME)



L10 ANSWER 7 OF 10 CAPLUS COPYRIGHT 2006 ACS on STN  
ACCESSION NUMBER: 1953:61397 CAPLUS  
DOCUMENT NUMBER: 47:61397  
ORIGINAL REFERENCE NO.: 47:10398f-h  
TITLE: 5, 6-Benzoquinaldinic acid as an analytical reagent.  
III. Estimation of zinc, cobalt, nickel, and manganese  
AUTHOR(S): Majumdar, Anil Kumar; De, Anil Kumar  
CORPORATE SOURCE: Coll. Eng. Technol., Bengal, Calcutta  
SOURCE: J. Indian Chem. Soc. (1953), 30, 123-8  
DOCUMENT TYPE: Journal  
LANGUAGE: Unavailable

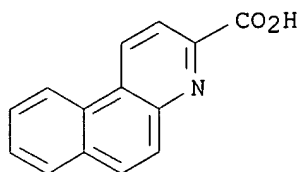
AB cf. C.A. 47, 2628c. The reagent 5, 6-benzoquinaldinic acid was used for the estimation of Zn, Co, Ni, and Mn, the study of the pH ranges over which they are accurately estimated and the effect of temperature on their salts.

The points of incipient precipitation for the elements, Zn, Co, Ni, and Mn are at about pH 2.08, 2.14, 2.15 and 1.75, resp., and for their complete precipitation 2.85, 3.24, 3.00, and 2.90. The salts can be dried at 110-115° and weighed as the hydrated salts, e.g., Zn with 1 mole of H<sub>2</sub>O, Co with 2, and both Ni and Mn with 2.5 moles of H<sub>2</sub>O. The Co salt can also be dried at 150-155° and weighed as the anhydrous salt.

IT 65714-31-0, Benzo[f]quinoline-3-carboxylic acid  
(and salts, in analytical chemistry)

RN 65714-31-0 CAPLUS

CN Benzo[f]quinoline-3-carboxylic acid (6CI, 7CI, 9CI) (CA INDEX NAME)



L10 ANSWER 8 OF 10 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1953:15170 CAPLUS

DOCUMENT NUMBER: 47:15170

ORIGINAL REFERENCE NO.: 47:2628b-d

TITLE: 5,6-Benzoquinaldinic acid as an analytical reagent.  
II. Estimation of cadmium and its separation from copper

AUTHOR(S): Majumdar, Anil Kumar; De, Anil Kumar

CORPORATE SOURCE: Coll. Eng. Technol., Calcutta

SOURCE: J. Indian Chem. Soc. (1952), 29, 499-506

DOCUMENT TYPE: Journal

LANGUAGE: Unavailable

AB cf. ibid. 255-62. Cd is completely precipitated with 5, 6-benzoquinaldinic acid

(I) from solns. of pH 3.12-9.40. The precipitate formed below pH 3.85 has the formula Cd(C<sub>14</sub>H<sub>8</sub>NO<sub>2</sub>)<sub>2</sub> · 1.5 H<sub>2</sub>O when dried at 105-110°; this loses H<sub>2</sub>O at 122°, forming the anhydrous salt, which is stable up to 269°. If the pH is above 3.85, the salt retains excess H<sub>2</sub>O which can only be removed by drying at 170-175°, and in addition the precipitate is less crystalline and less well adapted to filtration and washing. For the determination of Cd in the presence of Cu, the Cu is first precipitated with I at pH

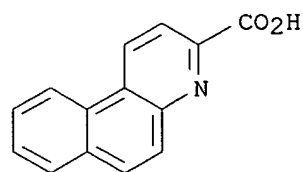
1.15-1.85, then the filtrate is brought to pH 3.12-3.85 for the precipitation of

Cd.

IT 65714-31-0, Benzo[f]quinoline-3-carboxylic acid  
(in cadmium determination)

RN 65714-31-0 CAPLUS

CN Benzo[f]quinoline-3-carboxylic acid (6CI, 7CI, 9CI) (CA INDEX NAME)





L10 ANSWER 9 OF 10 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1949:38498 CAPLUS

DOCUMENT NUMBER: 43:38498

ORIGINAL REFERENCE NO.: 43:6935c-e

TITLE: 5,6-Benzoquinaldic acid as an analytical reagent

AUTHOR(S): Mallik, Ajit Kumar; Mazumdar, Anil Kumar

SOURCE: Science and Culture (1949), 14, 477-8

CODEN: SCINAL; ISSN: 0036-8156

DOCUMENT TYPE: Journal

LANGUAGE: Unavailable

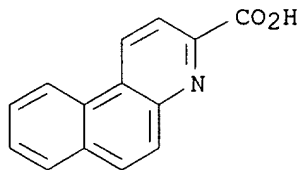
AB Practically all bivalent metals are precipitated by 5,6-benzoquinaldic acid. Cu gives a light green crystalline precipitate, Cd, Co, Ni, Mg, Ca, Sr, Ba, Zn, Mn, Ag, Hg, and Pb give white ppts. The Cu salt is sparingly soluble in dilute mineral acid and AcOH, soluble in concentrated acid, excess NH<sub>4</sub>OH, and CN- solution. Ba, Ca, and Sr salts are soluble in hot water. Zn, Mn, Ag, Cd, Co, and Ni salts are soluble in CN- solution. The Pb and Hg salts are soluble in NH<sub>4</sub>OAc.

The reagent can be used in the determination of Cu. The composition of the Cu salt, dried at 110-20°, is C<sub>14</sub>H<sub>8</sub>NO<sub>2</sub>Cu.11/2H<sub>2</sub>O. The Fe<sup>++</sup> salt is red, dissolves in CN- solution, and the intensity of the color of this solution varies with Fe<sup>++</sup> concentration; this suggests the use of 5,6-benzoquinaldic acid in the colorimetric determination of Fe.

IT 65714-31-0, 5,6-Benzoquinaldic acid  
(in analysis)

RN 65714-31-0 CAPLUS

CN Benzo[f]quinoline-3-carboxylic acid (6CI, 7CI, 9CI) (CA INDEX NAME)



L10 ANSWER 10 OF 10 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1935:19788 CAPLUS

DOCUMENT NUMBER: 29:19788

ORIGINAL REFERENCE NO.: 29:2536i,2537a-g

TITLE: Action of cyanogen iodide on quinolines

AUTHOR(S): Mumm, Otto; Bruhn, Christian

SOURCE: Berichte der Deutschen Chemischen Gesellschaft  
[Abteilung] B: Abhandlungen (1935), 68B, 176-83  
CODEN: BDCBAD; ISSN: 0365-9488

DOCUMENT TYPE: Journal

LANGUAGE: Unavailable

AB BrCN and HCN acting simultaneously at room temperature in ether on quinoline  
(I)

give the so-called quinoline dicyanide, C<sub>9</sub>H<sub>7</sub>N(CN)<sub>2</sub>, which shows an interesting isomerism phenomenon (C. A. 29, 1821.7.). ClCN behaves like BrCN. The present work with ICN was undertaken in the hope of shedding light on the isomerism but ICN was found to act entirely differently. The course of the reaction is not influenced by the presence or absence of HCN, and the product, I. ICN, is of an entirely different character. It is completely stable toward water and even toward KCN or HCN; the reaction takes place with equal ease with all quinolines, even when they are α- or o-substituted; the products give no precipitate with AgNO<sub>3</sub> in dilute HNO<sub>3</sub>, and no I or CN ion can be detected after long shaking in aqueous

suspension with BaCO<sub>3</sub> or saturated NaHCO<sub>3</sub>; the compds. are insol. in water but easily soluble in dilute acids. The quinoline component can, however, easily be removed by means of all substances which form difficultly soluble ppts. with I (picric acid, HClO<sub>4</sub>, tartaric acid, Hg(CN)<sub>2</sub>) either in alc. or in ether. Concentrated HCl gives the compound I.ICl.HCl (II), m. 118° (Dittmar, Ber. 18, 1613(1885)), and HBr and HI yield the corresponding compds., also all long since known. II is formed either from the dry I.ICN with concentrated aqueous or alc. HCl in the cold or in benzene with HCl

gas.

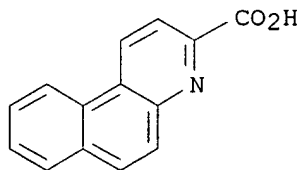
The earlier workers failed to observe that when II is recrystd. from AcOEt it is partly converted into a new compound insol. in AcOEt (when II is heated above 100° the conversion is quant.) which m. 123° and is bimol., II.I.HCl (III); on recrystn. from dilute HCl it regenerates II, but from aqueous alc. it seps. as I.ICl, m. 157° (which is also formed directly from II by long shaking with an aqueous suspension of BaCO<sub>3</sub>, with cold saturated NaHCO<sub>3</sub>, or with much cold water). Both of these compds., like I.ICN, give a precipitate of quinoline picrate with picric acid. With NH<sub>3</sub> in cold water, II gives C<sub>9</sub>H<sub>7</sub>NI.HI, m. 90-1°. All the above properties of I.ICN are best explained by assigning to it a structure similar to that of the complex metal-ammonia compds. The following compds. of the type I.ICN were prepared: Quinoline, m. 104°; p-toluquinoline, m. 55-6°; quinaldine, m. 98°; α-naphthoquinoline, m. 116-17°; the corresponding compds. of the type II (quinolinium dichloroiodides), obtained from the above with concentrated HCl, m. 118-20°, 146-8°, 112-13°, 166°, and at 100° change into the compds. III (quinolinium trichloroiodides), m. 123°, -, 148-9°, 194-5°. In an attempt to effect an isomerization such as had been observed with the BrCN compds., β-naphthoquinoline-ICN was slowly heated to 130° whereupon a very vigorous reaction set in, yielding a bimol. compound rich in I which, on boiling with NaOH and subsequent treatment with 50% AcOH, gave β-naphthoquinoline-α-carboxylic acid, m. 188-90°.

IT 65714-31-0, 5,6-Benzquinoline-3-carboxylic acid

(preparation of)

RN 65714-31-0 CAPLUS

CN Benzo[f]quinoline-3-carboxylic acid (6CI, 7CI, 9CI) (CA INDEX NAME)



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---Logging off of STN---

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Executing the logoff script...

=> LOG Y

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

91.74

323.63

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-7.50	-7.50

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